

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
BRAIN & COGNITIVE SCIENCES
LABORATORY OF NEUROENDOCRINE REGULATION

ALPHABETIZED PUBLICATIONS LIST

- Acworth, I.N., During, M.J., and Wurtman, R.J. (747)
Processes that couple amino acid availability to neurotransmitter synthesis and release. In: Amino Acid Availability and Brain Function in Health and Disease (G. Huether, ed.) Springer-Verlag Berlin Heidelberg, NATO ASI Series, Vol. H20, pp.117-36, 1988.
- Acworth, I.N., During, M.J., and Wurtman, R.J. (761)
Tyrosine: Effects on catecholamine release. Brain Res. Bull., 21: 473-477, 1988.
- Acworth, I.N., Ressler, K., and Wurtman, R.J. (820)
Feeding-associated alterations in striatal neurotransmitter release. In: Psychobiology of Human Eating Disorders: Preclinical and Clinical Perspectives (L.H. Schneider, S.J. Cooper, K.A. Halmi, eds.) New York Acad. Sci., 575:596-598, 1989.
- Acworth, I.N., and Wurtman, R.J. (763)
Precursor Control of catecholamine metabolism. In: Amino Acids in Psychiatric Disease (M.A. Richardson, ed.) American Psychiatric Press, Inc., Washington, Chapter 1, pp.1-29, 1990.
- Adler, J., Lynch, H.J., and Wurtman, R.J. (384)
Effect of cyclic changes in environmental lighting and ambient temperature on the daily rhythm in melatonin excretion by rats. Brain Res., 163:111-120, 1979.
- Agharanya, J.C., Alonso, R., and Wurtman, R.J. (445)
Changes in catecholamine excretion after short-term tyrosine ingestion in normally fed human subjects. Amer. J. Clin. Nutr., 34:82-87, 1981.
- Agharanya, J.C., and Wurtman, R.J. (514)
Effect of acute administration of neutral and other amino acids on urinary excretion of catecholamines. Life Sci., 30:739-746, 1982.
- Agharanya, J.C., and Wurtman, R.J. (522)
Studies on the mechanism by which tyrosine raises urinary catecholamines. Biochem. Pharm., 31(22):3577-3580, 1982.
- Agharanya, J.C., and Wurtman, R.J. (504)
Effect of dietary proteins and carbohydrates on urinary and sympathoadrenal catecholamines. Neurochem. Int., 7(2):271-277, 1985.
- Agut, J., Coviella, I.L.G., and Wurtman, R.J. (609)
Cytidine(5')Diphosphocholine enhances the ability of haloperidol to increase dopamine metabolites in the striatum of the rat and to diminish stereotyped behavior induced by apomorphine. Neuropharmacology, 23(12A):1403-1406, 1984.

- Agut, J., Lopez, G.-Coviella, I., Ortiz, A., and Wurtman, R.J. (883)
Oral cytidine 5'-diphosphate choline administration to rats increases brain phospholipid levels. In: Alzheimer's Disease, Amyloid Precursor Proteins, Signal Transduction, and Neuronal Transplantation (Nitsch, R.M., Growdon, J.H., Corkin, S., and Wurtman, R.J., eds.) Ann. N.Y. Acad. Sci., 695:318-320, 1993.
- Agut, J., Ortiz, J.A., and Wurtman, R.J. (978)
Cytidine (5')diphosphocholine modulates dopamine K⁺-evoked release in striatum measured by microdialysis. In: The Molecular Basis of Dementia (J.H. Growdon, R.J. Wurtman, S. Corkin, and R.M. Nitsch, eds.) Proceedings of the Ninth Meeting of the International Group on the Pharmacology of Memory Disorders Associated with Aging, Zurich, Switzerland, February 18-20, 2000. Ann. New York Acad. Sci., Vol. 920:332-335, 2000.
- Airoldi, L., Watkins, C.J., Wiggins, J.F., and Wurtman, R.J. (360)
Effect of pyridoxine on the depletion of tissue pyridoxal phosphate by carbidopa. Metabolism, 27(7):771-779, 1978.
- Alonso, R., Agharanya, J.C., and Wurtman, R.J. (472)
Tyrosine loading enhances catecholamine excretion by rats. J. Neural Transmission, 49:31-43, 1980.
- Alonso, R., Gibson, C., Wurtman, R.J., Agharanya, J.C., and Prieto, L. (523)
Elevation of urinary catecholamines and their metabolites following tyrosine administration in humans. Biol. Psych., 17(7):781-790, 1982.
- Amer, A., Breu, J., McDermott, J., Wurtman, R.J., Maher, T.J. (989)
5-Hydroxy-L-tryptophan, suppresses food intake in food-deprived and stressed rats. J. Pharm., Biochem. Behav., 77:137-143, 2004.
- Anton-Tay, F., Anton, S.M., and Wurtman, R.J. (135)
Mechanism of changes in brain norepinephrine metabolism after ovariectomy. Neuroendocrinology, 6:265-273, 1970.
- Anton-Tay, F., Chou, C., Anton, S., and Wurtman, R.J. (102)
Brain serotonin concentration: Elevation following intraperitoneal administration of melatonin. Science, 162:277-278, 1968.
- Anton-Tay, F., Pelham, W., and Wurtman, R.J. (111)
Increased turnover of ³H-norepinephrine in rat brain following castration or treatment with ovine follicle-stimulating hormone. Endocrinology, 84(6):1489-1492, 1969.
- Anton-Tay, F., and Wurtman, R.J. (82)
Stimulation of hydroxyindole-methyl transferase activity in hamster pineal glands by blinding or continuous darkness. Endocrin., 82:1245-1256, 1968.
- Anton-Tay, F., and Wurtman, R.J. (91)
Norepinephrine: Turnover in rat brains after gonadectomy. Science, 159:1245, 1968.

- Anton-Tay, F., Wurtman, R.J. (107)
 Regional uptake of ^3H -melatonin from blood or cerebrospinal fluid by rat brain. Nature, 221(5179):474-475, 1969.
- Anton-Tay, F., and Wurtman, R.J. (153)
 Brain monoamines and endocrine function. In: Frontiers in Neuroendocrinology, (L. Martini and W.F. Ganong, eds.) Oxford University Press, New York, pp. 45-66, 1971.
- Araki, W., and Wurtman, R.J. (943)
 Control of membrane phosphatidylcholine biosynthesis by diacylglycerol levels in neuronal cells undergoing neurite outgrowth. Proc. Natl. Acad. Sci., 94:11946-11950, 1997.
- Araki, W., and Wurtman, R.J. (952)
 Mini-review: How is membrane phospholipid biosynthesis controlled in neural tissues? J. Neurosci. Res., 51:667-674, 1998.
- Araki, W., and Wurtman, R.J. (953)
 Increased expression of amyloid precursor protein and amyloid precursor-like protein 2 during trophic factor withdrawal-induced death of neuronal PC12 cells. Molecular Brain Res., 56:169-177, 1998.
- Arjona, A.A., Pooler, A.M., Wurtman, R.J., and Lee, R.K. (985)
 Effect of 5-HT_{2c} serotonin agonist, dexamfenfluramine, on amyloid precursor protein metabolism in Guinea pigs. Brain Research, 951:135-140, 2002.
- Arjona, A.A., Zhang, S.X., Adamson, B., and Wurtman, R.J. (1002)
 An animal model of antipsychotic-induced weight gain. Behav. Brain Res. 152:121-127, 2004.
- Axelrod, J., Shein, H.M., and Wurtman, R.J. (113)
 Stimulation of C¹⁴-melatonin synthesis from C¹⁴-tryptophan by noradrenaline in rat pineal in organ culture. Proc. Nat. Acad. Sci., 62:544-549, 1969.
- Axelrod, J., and Wurtman, R.J. (23)
 Melatonin synthesis in the hen pineal gland and its control by light. Nature, 201(4924):1134, 1964.
- Axelrod, J., and Wurtman, R.J. (56)
 Melatonin, a pineal hormone: Biosynthesis, metabolism, and actions. Proc. III Internat. Pharmacol. Congr., Sao Paulo, Brazil, July 24, 1966.
- Axelrod, J., and Wurtman, R.J. (59) The pineal gland: A biological clock. Problemes Actuels d'Endocrinologie et de Nutrition, 10:201-212, 1966.
- Axelrod, J., and Wurtman, R.J. (55)
 Effects of cardiovascular drugs on the physiological disposition of norepinephrine. Heart Bulletin, 16:49-53, 1967.
- Axelrod, J., and Wurtman, R.J. (54)
 Fate of norepinephrine in sympathetic neuron and the effect of cardiovascular drugs. N.Y. State J. Med., 68(1):252-256, 1968.

- Axelrod, J., and Wurtman, R.J. (70)
 Photic and neural control of indoleamine metabolism in the rat pineal gland. Advances in Pharmacology, 6A:157-166, 1968.
- Axelrod, J., Wurtman, R.J., and Snyder, S.H. (37)
 Control of hydroxyindole-O-methyltransferase activity in the rat pineal gland by environmental lighting. J. Biol. Chem., 240:949-954, 1965.
- Babb, S.M., Appelmans, K.E., Renshaw, P.F., Wurtman, R.J., and Cohen, B.M. (913)
 Differential effect of CDP-choline on brain cytosolic choline levels in younger and older subjects as measured by proton magnetic resonance spectroscopy. Psychopharmacology, 127:88-94, 1996.
- Balcioglu, A., and Wurtman, R.J. (935)
 Dexfenfluramine enhances striatal dopamine release in conscious rats via a serotonergic mechanism. J. Pharm. Exp. Ther., 284:991-997, 1998.
- Balcioglu, A., and Wurtman, R.J. (949)
 Effects of phentermine on striatal dopamine and serotonin release in conscious rats: In vivo microdialysis. Intl. J. Obesity, 22:325-328, 1998.
- Balcioglu, A., and Wurtman, R.J. (957)
 Effects of fenfluramine and phentermine (fen-phen) on dopamine and serotonin release in rat striatum: In vivo microdialysis study in conscious animals. Brain Res., 813:67-72, 1998.
- Balcioglu, A., and Wurtman, R.J. (961)
 Sibutramine, a serotonin uptake inhibitor, increases dopamine concentrations in rat striatal and hypothalamic extracellular fluid. Neuropharmacology, 39:2352-2359, 2000.
- Balcioglu, A., and Wurtman, R.J. (981)
 Matters arising - Striatal serotonin receptors and dopamine release. Response to Lucas and Sampinato. J. Neurochem., 75(2):886, 2000.
- Baliga, B.S., Pohorecky, L.A., Munro, H.N., and Wurtman, R.J. (219)
 Control of adrenal medullary protein synthesis by corticosteroids. Biochem. Biophys. Acta, 299:337-343, 1973.
- Behrman, R.E., Brown, A.K., Currie, M.R., Hastings, J.W., Odell, G.B., Schaffer, R., Setlow, R.B., Vogl, T.P., and Wurtman, R.J. (263)
 Preliminary report of the committee on phototherapy in the newborn infant. J. Pediatrics, 84(1):135-143, 1974.
- Berry, E.M., Growdon, J.H., Wurtman, J.J., Caballero, B., and Wurtman, R.J. (816)
 A balanced carbohydrate: Protein diet in the management of Parkinson's disease. Neurology, 41:1295-1297, 1991.
- Blusztajn, J.K., Growdon, J.H., Lee, H.-C., Liscovitch, M., Logue, M., Lopez, G.-Coviella, I., Mauron, C., Richardson, U.I., (808)

Ulus, I., and Wurtman, R.J.

Abnormal phospholipid turnover and pathophysiology of Alzheimer's disease. Bulletin of Clin. Neurosci., 55:91-98, 1990.

Blusztajn, J.K., Holbrook, P.G., Lakher, M., Liscovitch, M., Maire, J.C., Mauron, C., Richardson, U.I., Tacconi, M., and Wurtman, R.J. (660)

Relationships between acetylcholine release and membrane phosphatidylcholine turnover in brain and in cultured neurons.

In: Phospholipid Research and the Nervous System: Biochemical and Molecular Pharmacology. (L.A. Horricks, L. Freysz, and G. Toffano, eds.) Liviana Press, Padua and Springer, Berlin, Fidia Research Series Volume 45, pp.283-290, 1986.

Blusztajn, J.K., Holbrook, P.G., Lakher, M., Liscovitch, M., Maire, J.-C., Mauron, C., Richardson, U.I., Tacconi, M., and Wurtman, R.J. (687)

Autocannibalism of membrane choline-phospholipids: Physiology and pathology. Psychopharm. Bull., 22(3):781-786, 1986.

Blusztajn, J.K., Holbrook, P.G., Liscovitch, M., Maire, J.C., Mauron, C., Richardson, U.I., Tacconi, M., and Wurtman, R.J. (658)

Pathogenesis: Possible role of choline phospholipids. In: Treatment Development Strategies for Alzheimer's Disease (T. Crook, R. Bartus, S. Ferris, and S. Gershon, eds.), Madison, CT, Mark Powley Associates, Inc., pp.539-552, 1986.

Blusztajn, J.K., Lee, H.-C., Growdon, J.H., Logue, M., Liscovitch, M., Lopez, G.-Coviella, I., Mauron, C., Richardson, U.I., and Wurtman, R.J. (823)

Abnormal phospholipid metabolism and the pathophysiology of Alzheimer's disease. In: Alzheimer's Disease: New Treatment Strategies (Z. Khachaturian and J. Blass, ed.), Marcel Dekker, NY, pp.213-222, 1992.

Blusztajn, J.K., Liscovitch, M., Mauron, Richardson, U.I., and Wurtman, R.J. (696)

Phosphatidylcholine as a precursor of choline for acetylcholine synthesis. In: Cellular and Molecular Basis of Cholinergic Function (M.J. Dowdall and J.N. Hawthorne, eds.) Ellis Harwood, Chichester (Sussex) UK, pp.341-346, 1987.

Blusztajn, J.K., Liscovitch, Mauron, C., Richardson, U.I., and Wurtman, R.J. (750)

Phosphatidylcholine as a precursor of choline for acetylcholine synthesis. J. Neural Transm., 24(Suppl):247-259, 1987.

Blusztajn, J.K., Liscovitch, M., Mauron, C., Richardson, U.I., Ulus, I., and Wurtman, R.J. (740)

Phosphatidylcholine as a necessary component of biological membranes and as a store of choline for acetylcholine synthesis. In: Phospholipids in the Nervous System: Biochemical and Molecular Pathology (N.G. Bazan, L.A. Horrocks, and G. Toffano, eds.), Padua: Liviana Press, Springer Verlag, Fidia Research Series, Vol. 17, pp. 205-215, 1989.

Blusztajn, J.K., Lopez, G.-Coviella, I., Logue, M., Growdon, J.H. and Wurtman, R.J. (711)

Abnormal phospholipid metabolism in neurodegenerative diseases: elevations in glycerophosphocholine and glycerophospho-ethanolamine levels in brain of Alzheimer's disease but not in Down Syndrome patients. In: Basic, Clinical, and Therapeutic Aspects of Alzheimer's and Parkinson's Diseases (T. Nagatsu, et al., eds.), Plenum Press, New York, Vol. 1, pp.133-138, 1990.

Blusztajn, J.K., Lopez G.-Coviella, I., Logue, Growdon, J.H., Wurtman, R.J. (802)

Levels of phospholipid catabolic intermediates, glycerophosphocholine and glycerophosphoethanolamine, are elevated in brains of Alzheimer's disease but not of Down's syndrome patients. Brain Res., 536:240-244, 1990.

Blusztajn, J.K., Lopez, G.-Coviella, I., Logue, M., Growdon, J.H., and Wurtman, R.J. (799)

Abnormal phospholipid metabolism in neurodegenerative diseases: elevations in glycerophosphocholine and glycerophosphoethanolamine levels in brain of Alzheimer's disease but not in Down Syndrome patients. In: Basic, Clinical, and Therapeutic Aspects of Alzheimer's and Parkinson's Diseases (T. Nagatsu, A. Fisher, and M. Yoshida, eds.) New York: Plenum Press, Volume 1, pp.133-138, 1991.

Blusztajn, J.K., Maire, J.-C., Tacconi, M.T., and Wurtman, R.J. (608)

The possible role of neuronal choline metabolism in the pathophysiology of Alzheimer's Disease: A hypothesis. In: Alzheimer's Disease: Advances in Basic Research and Therapies. Proceedings of the Third Meeting of the International Study Group on the Treatment of Memory Disorders Associated with Aging, Zurich, 1984, pp. 183-198, 1984.

Blusztajn, J.K., Richardson, U.I., Liscovitch, M., Mauron, C., and Wurtman, R.J. (723)

Phospholipids in cellular survival and growth. In: Lecithin: Technological, Biological and Therapeutic Aspects (I. Hanin and G.B. Ansell, eds.) New York, Plenum Press, pp.85-94, 1987.

Blusztajn, J.K., Tacconi, M.T., Zeisel, S.H., and Wurtman, R.J. (596)

Are the phospholipids in cholinergic neurons a source of choline for acetylcholine synthesis? In: Phospholipids in the Nervous System (L.A. Horrocks, et al., eds.) Raven Press, New York, Vol. 2, pp. 229-236, 1985.

Blusztajn, J.K., and Wurtman, R.J. (500)

Choline biosynthesis by a preparation enriched in synaptosomes from rat brain. Nature, 290(5085):417-418, 1981.

Blusztajn, J.K., and Wurtman, R.J. (561)

Choline and cholinergic neurons. Science, 221:614-620, 1983.

Blusztajn, J.K., and Wurtman, R.J. (572)

The syntheses of choline and acetylcholine in brain. In: Handbook of Neurochemistry, Second Edition (A. Lajtha, ed.) Plenum Publishing Corporation, Vol. 5, pp.295-310, 1983.

- Blusztajn, J.K., Zeisel, S.H., and Wurtman, R.J. (416)
Synthesis of lecithin (phosphatidylcholine) from phosphatidylethanolamine in bovine brain. Brain Res., 179:319-327, 1979.
- Blusztajn, J.K., Zeisel, S.H., and Wurtman, R.J. (538)
Phospholipid methylation and cholinergic neurons. In: Biochemistry of S-Adenosylmethionine and Related Compounds. (R. Borchardt, E. Usdin, C. Creveling, eds.) MacMillan Press, London, pp.155-164, 1982.
- Blusztajn, J.K., Zeisel, S.H., and Wurtman, R.J. (485)
Developmental changes in the activity of phosphatidylethanolamine N-methyltransferases in rat brain. Biochem. J., 232:505-511, 1985.
- Bogdanov, M.B., Tjurmina, O.A., Wurtman, R.J. (920)
Consumption of a high dietary dose of monosodium glutamate fails to affect extracellular glutamate levels in the hypothalamic arcuate nucleus of adult rats. Brain Res., 736, 76-81, 1996.
- Bogdanov, M.B., and Wurtman, R.J. (897)
Effects of systemic or oral ad libitum monosodium glutamate administration on striatal glutamate release, as measured using microdialysis in freely moving rats. Brain Res., 660:337-340, 1994.
- Bogdanov, M.B., and Wurtman, R.J. (904)
Possible involvement in nitric oxide in NMDA-induced glutamate release in the rat striatum: an in vivo microdialysis study. Neurosci. Ltrs., 221:197-201, 1997.
- Botticelli, L.J., Lytle, L.D., and Wurtman, R.J. (364)
Choline-induced attenuation of morphine analgesia in the rat. Commun. Psychopharm., 1:519-523, 1977.
- Botticelli, L.J., and Wurtman, R.J. (414)
B-endorphin administration increases hippocampal acetylcholine levels. Life Sci., 24:1799-1804, 1979.
- Botticelli, L.J., and Wurtman, R.J. (441)
Endorphin and corticotropin regulate the activity of septal-hippocampal cholinergic neurons. In: Endogenous and Exogenous Opiate Agonists and Antagonists. (E. Leong Way, ed.) Pergamon Press, New York, pp.187-189, 1980.
- Botticelli, L.J., and Wurtman, R.J. (447)
Choline reverses naloxone-induced decreases in hippocampal acetylcholine content and suppresses escape behavior in opiate-dependent rats. Brain Res., 210:479-484, 1981.
- Botticelli, L.J., and Wurtman, R.J. (481)
Corticotropin regulates transsynaptically the activity of septo-hippocampal cholinergic neurons. Nature, 289(5793):75-76, 1981.
- Botticelli, L.J., and Wurtman, R.J. (533)
Septohippocampal cholinergic neurons are regulated trans-synaptically by endorphin and corticotropin neuropeptides. J. Neurosci., 2(9):1316-1321, 1982.

- Brzezinski, A., Wurtman, R.J., Vangel, M. (1025)
 Melatonin and sleep. *Brit. Med. J. Internet*
 (<http://bmj.bmjjournals.com/cgi/e/letters/332/7538/385>), 27 February, 2006.
- Brzezinski, A., Vangel, M.G., Wurtman, R.J., Norrie, G., Zhdanova, I., Ben-Shushan, A., and Ford, I. (988)
 Effect of exogenous melatonin on sleep - a meta-analysis of 14 controlled clinical trials. *Sleep Medicine Reviews* 9:41-50, 2005.
- Brzezinski, A., Lynch, H.J., Seibel, M.M., Deng, M.H., Nader, T.M., and Wurtman, R.J. (743)
 The circadian rhythm of plasma melatonin during the normal menstrual cycle and in amenorrheic women. *J. Clin. Endocrin. Metab.*, 66(5): 891-895, 1988.
- Brzezinski, A., Lynch, H.J., and Wurtman, R.J. (719)
 Possible contribution of melatonin to the timing of the luteinizing hormone surge. *New Eng. J. Med.*, 316:1550-1551, 1987.
- Brzezinski, A., Seibel, M.M., Lynch, H.J., Deng, M.H., and Wurtman, R.J. (707)
 Melatonin in human preovulatory follicular fluid. *J. Clin. Endocrin. Metab.*, 64(4):865-867, 1987.
- Brzezinski, A.A., Wurtman, J.J., Wurtman, R.J., Gleason, R., Greenfield, J., and Nader, T. (795)
 d-fenfluramine suppresses the increased calorie and carbohydrate intakes and improves the mood of women with premenstrual depression. *Obstet. & Gynecol.*, 76(2):296-391, 1990.
- Brzezinski, A., and Wurtman, R.J. (720)
 Melatonin in the human ovary: possible physiological significance. Letter to the Editor. *EPSG Newsletter*, #17, pp.4-5, May, 1987.
- Brzezinski, A., and Wurtman, R.J. (685)
 The pineal gland: Its possible roles in human reproduction. *Obstetrical & Gynecological Survey*, 43(4):197-207, 1988.
- Buyukuslu, R.L., Holmes, T.C., and Wurtman, R.J. (800)
 Interactions of 3,4-diaminopyridine and choline in stimulating acetylcholine release and protecting membrane phospholipids. *Brain Res.*, 541:1-6, 1991.
- Buyukuslu, R.L., and Wurtman, R.J. (779)
 Tetrahydroaminoacridine but not 4-aminopyridine inhibits high-affinity choline uptake in striatal and hippocampal synaptosomes. *Brain Res.*, 482:371-375, 1989.
- Buyukuslu, R.L., and Wurtman, R.J. (774)
 4-aminopyridine increases acetylcholine release without diminishing membrane phosphatidylcholine. *J. Neurochem.*, 54(4):1302-1309, 1990.
- Caballero, B., Finer, N., and Wurtman, R.J. (705)
 Plasma amino acid levels in obesity: Effects of insulin resistance. In: *Amino Acids in Health and Diseases: New Perspectives* (S. Kaufman, ed.) Alan R. Liss, Inc., New York, pp.369-382, 1987.

- Caballero, B., Finer, N., and Wurtman, R.J. (758)
Plasma amino acids and insulin levels in obesity: Response to carbohydrate intake and tryptophan supplements. Metabolism, 37(7): 672-676, 1988.
- Caballero, B., Gleason, R.E., and Wurtman, R.J. (814)
Plasma amino acid concentrations in healthy elderly men and women. Am. J. Clin. Nutr., 53:1249-1252, 1991.
- Caballero, B., Mahon, B.E., Rohr, F.J., Levy, H.L., and Wurtman, R.J. (673)
Plasma amino acid levels after single-dose aspartame consumption in phenylketonuria, mild hyperphenylalaninemia, and heterozygous state for phenylketonuria. J. Pediatrics, 109(4):668-671, 1986.
- Caballero, B., and Wurtman, R.J. (674)
Nutrients and brain function. In: Human Growth: A Multidisciplinary Review (A. Demirjian, ed.). Taylor & Francis, London, pp.255-263, 1986.
- Caballero, B., and Wurtman, R.J. (693)
Control of plasma phenylalanine. In: Dietary Phenylalanine and Brain Function (R.J. Wurtman, ed.), Boston/Basel: Birkhauser, pp. 3-12, 1988.
- Caballero, B., and Wurtman, R.J. (817)
Differential effects of insulin resistance on leucine and glucose kinetics in obesity. Metabolism, 40(1):51-58, 1991.
- Cansev, M., Marzloff, G., Sakamoto, T., Ulus, I.H., Wurtman, R.J. (1037)
Giving uridine and/or docosahexaenoic acid orally to rat dams during gestation and nursing increases synaptic elements brains of weanling pups. Developmental Neuroscience, 31:181-192, 2009.
- Cansev, M., Ulus, I.H., Wang, L., Maher, T.J., Wurtman, R.J. (1034)
Restorative effects of uridine plus DHA in a rat model of Parkinson's Disease. Neuroscience Research, 62:206-209, 2008.
- Cansev, M., Wurtman, R.J., Sakamoto, T., Ulus, I. (1033)
Oral administration of circulating precursors for membrane phosphatides can promote the synthesis of new brain synapses. In: Alzheimer's & Dementia 4:S153-S168, 2008.
- Cansev, M., Wurtman R.J. (1022)
Chronic administration of docosahexaenoic acid or eicosapentaenoic acid, but not arachidonic acid, alone or in combination with uridine increases brain phosphatide and synaptic proteins levels in gerbils. Neuroscience 148:421-431, 2007.
- Cansev, M., Watkins, C.J., van der Beek, E.M., Wurtman, R.J. (1012)
Oral Uridine-5'- monophosphate (UMP) increases brain CDP-choline levels in gerbils. Brain Research 1058: 101-108, 2005.

- Cansev, M., Wurtman, R.J. (1001)
Aromatic amino acids in the brain. In: Handbook of Neurochemistry and Molecular Neurobiology, Third Edition (A. Lajtha, ed.) Springer-Verlag, Berlin, Heidelberg, Vol. 6, Chpt. 4, pp. 60-97, 2007.
- Cansev, M., Marzloff, G., Sakamoto, T., Ulus, I.H., Wurtman, R.J. (1037)
Giving uridine and/or docosahexaenoic acid supplementation orally to rat dams during gestation and nursing increases synaptic elements in weanling pups. Developmental Neuroscience 31:181-192, 2008.
- Cardinali, D.P., Hyppa, M.T., and Wurtman, R.J. (213)
Fate of intracisternally injected melatonin in the rat brain. Neuroendocrin., 12:30-40, 1973.
- Cardinali, D.P., Larin, F., and Wurtman, R.J. (188)
Control of the rat pineal gland by light spectra. Proc. Nat. Acad. Sci., 69(8):2003-2005, 1972.
- Cardinali, D.P., Larin, F., and Wurtman, R.J. (190)
Action spectra for effects of light on hydroxyindole-O-methyl transferases in rat pineal, retina and harderian gland. Endocrin., 91(4):877-886, 1972.
- Cardinali, D.P., Lynch, H.J., Wurtman, R.J. (196)
Binding of melatonin to human and rat plasma proteins. Endocrin., 91(5):1213-1218, 1972.
- Cardinali, D.P., and Wurtman, R.J. (181)
Hydroxyindole-O-methyl transferases in rat pineal, retina and harderian gland. Endocrinology, 91(1):247-252, 1972.
- Cardinali, D.P., and Wurtman, R.J. (269)
The pineal organ. In: Research Methods in Neurochemistry. (N. Marks and R. Rodnight, eds.), Chapter 12, Vol. 2:389-407, 1974.
- Cardinali, D.P., and Wurtman, R.J. (202)
The effects of light on man. In: Physiological Anthropology (A. Damon, ed.), Oxford University press, pp. 13-28, 1975.
- Cardinali, D.P., and Wurtman, R.J. (204)
Control of melatonin synthesis in the pineal organ. In: Frontiers of Pineal Physiology (M.D. Altschule, ed.), M.I.T. Press, Cambridge, MA, pp. 12-41, 1975.
- Cardinali, D.P., and Wurtman, R.J. (294)
Methods for assessing the biological activity of the mammalian pineal organ. In: Methods in Enzymology. (B.W. O'Malley, and J.G. Hardman, eds.) Academic Press, New York, Vol. 39:376-397, 1975.
- Chalmers, J.P., Baldessarini, J., and Wurtman, R.J. (156)
Effects of L-dopa on norepinephrine metabolism in the brain. Proc. Nat. Acad. Sci., 68(3):662-666, 1971.

- Chalmers, J.P., and Wurtman, R.J. (159)
 The fate of intracisternally administered norepinephrine-³H in the brain and spinal cord of the rabbit. J. Pharm. Exp. Ther., 178(1): 8-19, 1971.
- Chalmers, J.P., and Wurtman, R.J. (160)
 Participation of central noradrenergic neurons in arterial baroreceptor reflexes in the rabbit. Circ. Res., 28:480-491, 1971.
- Chiel, H.J., Wurtman, R.J. (323)
 Suppression of amphetamine-induced hypothermia by the neutral amino acid valine. Psychopharmacol. Comm., 2(3):207-217, 1976.
- Chiel, H.J., and Wurtman, R.J. (508)
 Short-term variations in diet composition change the pattern of spontaneous motor activity in rats. Science, 213:676-678, 1981.
- Chiel, H., Yehuda, S., and Wurtman, R.J. (245)
 Development of tolerance in rats to the hypothermic effects of d-amphetamine and apomorphine. Life Sci., 14:483-488, 1974.
- Chou, C., and Wurtman, R.J. (195)
 Probable nutritional basis for effect of estradiol on rat liver catechol-O-methyl transferase. Life Sci., 11(I):581-585, 1972.
- Chu, E.W., Wurtman, R.J., and Axelrod, J. (24)
 An inhibitory effect of melatonin on the estrous phase of the estrous cycle of the rodent. Endocrin., 75(2):238-242, 1964.
- Cohen, B.M., Renshaw, P.F., Stoll, A.L., Wurtman, R.J., Yurgelun-Todd, D., and Babb, S.M. (885)
 Decreased brain choline uptake in older adults: An in vivo proton magnetic resonance spectroscopy study. JAMA, 274(11):902-907, 1995.
- Cohen, E.L., and Wurtman, R.J. (288)
 Brain acetylcholine: Increase after systemic choline administration. Life Sci., 16:1095-1102, 1975.
- Cohen, E., and Wurtman, R.J. (307)
 Brain acetylcholine: Control by dietary choline. Science, 191: 561-562, 1976.
- Cohen, E.L., and Wurtman, R.J. (337)
 Nutrition and Brain Neurotransmitters. In: Nutrition Pre- and Postnatal Development. (M. Winick, ed.) Plenum Press, New York, pp.103-132, 1979.
- Cohen, R.A., Wurtman, R.J., Axelrod, J., and Snyder, S.H. (34)
 Some clinical, biochemical, and physiological actions of the pineal gland. Ann. Int. Med., 61(6):1144-1161, 1964.
- Cohn, C., Joseph, D., Larin, F., Shoemaker, W.J., and Wurtman, R.J. Influence of feeding habits and adrenal cortex on diurnal rhythm of hepatic tyrosine transaminase activity. Proc. Soc. Exp. Biol. Med., 133(2):460-462, 1970. (132)

- Colmenares, J.L., and Wurtman, R.J. (404)
The relation between urinary 5-hydroxyindoleacetic acid levels and the ratio of tryptophan to other large neutral amino acids placed in the stomach. Metabolism, 28(8):820-827, 1979.
- Colmenares, J.L., Wurtman, R.J., and Fernstrom, J.D. (281)
Effects of ingestion of a carbohydrate-fat meal on the levels and synthesis of 5-hydroxyindoles in various regions of the rat central nervous system. J. Neurochem., 25:825-829, 1975.
- Conlay, L.A., Conant, J.A., deBros, F., and Wurtman, R.J. (921)
Caffeine alters plasma adenosine levels. Nature, 389:136, 1997.
- Conlay, L.A., Evoniuk, G., and Wurtman, R.J. (742)
Endogenous adenosine and hemorrhagic shock: Effects of caffeine administration or caffeine withdrawal. Proc. Natl. Acad. Sci., 85:4483-4485, 1988.
- Conlay, L.A., Maher, T.J., Godley, B.F., and Wurtman, R.J. (646)
Spinal cord noradrenergic neurons are activated in hypotension. Brain Res., 375:210-213, 1986.
- Conlay, L.A., Maher, T.J., Moses, P.L., and Wurtman, R.J. (586)
Tyrosine's vasoactive effect in the dog shock model depends on the animal's starting blood pressure. J. Neural Trans., 58:69-74, 1983.
- Conlay, L.A., Maher, T.J., Roberts, C.H., and Wurtman, R.J. (681)
Effects of hemorrhagic hypotension on tyrosine concentrations in rat spinal cord and plasma. Neurochem. Int., 12(3):291-295, 1988.
- Conlay, L.A., Maher, T.J., and Wurtman, R.J. (510)
Tyrosine increases blood pressure in hypotensive rats. Science, 212:559-560, 1981.
- Conlay, L.A., Maher, T.J., and Wurtman, R.J. (617)
Tyrosine's pressor effect in hypotensive rats is not mediated by tyramine. Life Sci., 35(11):1207-1212, 1984.
- Conlay, L.A., Maher, T.J., and Wurtman, R.J. (585)
Tyrosine accelerates catecholamine synthesis in hemorrhaged hypotensive rats. Brain Res., 333:81-84, 1985.
- Conlay, L.A., Maher, T.J., and Wurtman, R.J. (801)
Alanine increases blood pressure during hypotension. Pharmacol. Toxicol., 66:415-416, 1990.
- Conlay, L.A., Sabounjian, L.A., and Wurtman, R.J. (852)
Exercise and neuromodulators: Choline and acetylcholine in marathon runners. Int. J. Sports Med., 13:S141-S142, 1992.
- Conlay, L.A., Wurtman, R.J., Blusztajn, J.K., Lopez G.-Coviella, I., Maher, T.J., and Evoniuk, G.E. (690)
Decreased plasma choline concentrations in marathon runners. New Eng. J. Med., 315:892, 1986.

- Conlay, L.A., Wurtman, R.J., Lopez G.-Coviella, I., Blusztajn, J.K., Vacanti, C.A., Logue, M., During, M., Caballero, B., Maher, T.J., and Evoniuk, G. (737)
 Effects of running the Boston marathon on plasma concentrations of large neutral amino acids. J. Neural Transm., 76:65-71, 1989.
- S. Corkin, E. Ritter-Walker, and R.J. Wurtman, eds.) N.Y. Acad. Sci., 640:114-117, 1991.
- Degroot, L.J., Bransome, E.D., Stanbury, J.B., and Wurtman, R.J. (89)
 Advances in endocrinology. The Practitioner, 199:485-497, 1967.
- Deng, M.H., Lopez, G.-Coviella, I., Lynch, H.J., and Wurtman, R.J. (792)
 Melatonin and its precursors in Y79 human retinoblastoma cells: Effect on sodium butyrate. Brain Res., 561:274-278, 1991.
- Dollins, A.B., Krock, L.P., Storm, W.F., Wurtman, R.J., and Lieberman, H.R. (863)
 L-tyrosine ameliorates some effects of lower body negative pressure stress. Physiol. Behav., 57(2):223-230, 1995.
- Dollins, A.B., Lynch, H.J., Wurtman, R.J., Deng, M.H., Kischka, K.U., Gleason, R.E., and Lieberman, H.R. (865)
 Effect of pharmacological daytime doses of melatonin on human mood and performance. Psychopharmacology, 112:490-496, 1993.
- Dollins, A.B., Lynch, H.J., Wurtman, R.J., Deng, M.H., and Lieberman, H.R. (849)
 Effects of illumination on human nocturnal serum melatonin levels and performance. Physiol. & Beh., 53:153-160, 1993.
- Dollins, A.B., Zhdanova, I.V., Wurtman, R.J., Lynch, H.J., and Deng, M.H. (870)
 Effect of inducing nocturnal serum melatonin concentrations in daytime on sleep, mood, body temperature, and performance. Proc. Natl. Acad. Sci., 91:1824-1828, 1994.
- During, M.J., Acworth, I.N., and Wurtman, R.J. (748)
 An in vivo study of dopamine release in striatum: The effects of phenylalanine. In: Dietary Phenylalanine and Brain Function (R.J. Wurtman, ed.) Boston/Basel: Birkhauser, pp.81-86, 1988.
- During, M.J., Acworth, I.N., and Wurtman, R.J. (752)
 Effects of systemic L-tyrosine on dopamine release from rat corpus striatum and nucleus accumbens. Brain Res., 452:378-380, 1988.
- During, M.J., Acworth, I.N., and Wurtman, R.J. (754)
 Phenylalanine administration influences dopamine release in the rat's corpus striatum. Neurosci. Lett., 93:91-95, 1988.
- During, M.J., Acworth, I.N., and Wurtman, R.J. (775)
 Dopamine release in rat striatum: Physiological coupling to tyrosine supply. J. Neurochem., 52(5):1449-1454, 1989.

- Erfurth, A., Gardier, A.M., Ribeiro, E., and Wurtman, R.J. (856)
Effects of subchronic pretreatment with D-fenfluramine or
p-chloroamphetamine on [³H]inositolmonophosphate accumulation in
rat cortical miniprisms. Brain Res., 665:107-114, 1994.
- Erfurth, A., and Wurtman, R.J. (902)
Sensitive measurement of agonist-stimulated [³H]inositol
monophosphate accumulation in rat cortical miniprisms. Brain Res. Protocols, 1:139-144, 1997.
- Evoniuk, G., Jacobson, K.A., Shamim, M.T., Daly, J.W., and Wurtman, R.J. (714)
A1 and A2-selective adenosine antagonists: *In Vivo* characterization of
cardiovascular effects. J. Pharmacol. Exp. Ther., 242(3):882-887, 1987.
- Evoniuk, G.E., von Borstel, R.W., and Wurtman, R.J. (640)
Adenosine affects sympathetic neurotransmission at multiple sites
in vivo. J. Pharmacol. Exp. Ther., 236(2):350-355, 1986.
- Evoniuk, G., Von Borstel, R.W., and Wurtman, R.J. (698)
Antagonism of the cardiovascular effects of adenosine by caffeine
or 8-(p-Sulfophenyl)theophylline. J. Pharmacol. Exp. Therap., 240(2):
428-432, 1987.
- Farber, S.A., Buyukusal, R.L., and Wurtman, R.J. (836)
Why do phospholipid levels decrease with repeated stimulation? A
study of choline-containing compounds in rat striatum following
electrical stimulation. In: Aging and Alzheimer's Disease (J. Growdon,
- Farber, S.A., Kischka, U., Marshall, D.L., and Wurtman, R.J. (859)
Potentiation by choline of basal and electrically evoked acetylcholine
release, as studied using a novel device which both stimulates and
perfuses rat corpus striatum. Brain Res., 607:177-184, 1993.
- Farber, S.A., Nitsch, R.M., Schultz, J.G., and Wurtman, R.J. (907)
Regulated secretion of β -amyloid precursor protein in rat brain.
J. Neurosci., 15(11):7442-7451, 1995.
- Farber, S.A., Savci, V., Wei, A., Slack, B.E., Wurtman, R.J. (871)
Choline's phosphorylation in rat striatal slices is regulated by the activity of
cholinergic neurons. Brain Res., 723:90-99, 1996.
- Farber, S.A., Slack, B.E., De Micheli, E., Wurtman, R.J., Nitsch, R.M., Growdon, J.H., Cohen, B.M., Stoll, A.L., and Renshaw, P.F. (896)
Choline metabolism, membrane phospholipids, and Alzheimer's disease.
In: Alzheimer's Disease: Therapeutic Strategies (E. Giacobini and R. Becker) Birkhauser, Boston, pp.247-251, 1994.
- Fernstrom, J.D., Arnold, M.A., Wurtman, R.J., Hammarstrom-Wiklund, B., Munro, H.N., and Davidson, C.S. (371)
Diurnal variations in plasma insulin concentrations in normal
and cirrhotic subjects: Effect of dietary protein. J. of Neural Trans., Suppl. 14:133-142, 1978.

- Fernstrom, J.D., Larin, F., and Wurtman, R.J. (168)
Daily variations in the concentrations of individual amino acids
in rat plasma. Life Sci., 10(1):813-819, 1971.
- Fernstrom, J.D., Larin, F., Wurtman, R.J. (229)
Correlations between brain tryptophan and plasma neutral amino
acid levels following food consumption in rats. Life Sci., 13:
517-524, 1973.
- Fernstrom, J.D., Madras, B.K., Munro, H.N., and Wurtman, R.J. (231)
Nutritional control of the synthesis of 5-hydroxytryptamine in
the brain. In: CIBA Foundation Symposium on Aromatic Amino Acids
in the Brain (G.E.W. Wolstenholme and D.W. Fitzsimons, eds.), pp.
153-173, 1974.
- Fernstrom, J.D., Munro, H.N., and Wurtman, R.J. (336)
Brain tryptophan in rats on a high fat diet. Nature, 265(5591):
277, 1977.
- Fernstrom, J.D., Sved, A., and Wurtman, R.J. (475)
Letter to the Editor. New Eng. J. Med., 303:158, 1980.
- Fernstrom, J.D., and Wurtman, R.J. (163)
Brain serotonin content: physiological dependence on plasma
tryptophan levels. Science, 173:149-152, 1971.
- Fernstrom, J.D., and Wurtman, R.J. (171)
Effect of chronic corn consumption on serotonin content of rat brain.
Nature New Biol., 234(45):62-64, 1971.
- Fernstrom, J.D., and Wurtman, R.J. (178)
Brain serotonin content: Increase following ingestion of
carbohydrate diet. Science, 174:1023-1025, 1971.
- Fernstrom, J.D., and Wurtman, R.J. (175)
Elevation of plasma tryptophan by insulin in rat. Metabolism,
21(4):337-342, 1972.
- Fernstrom, J.D., and Wurtman, R.J. (198)
Brain serotonin content: Physiological regulation by plasma neutral
amino acids. Science, 178:414-416, 1972.
- Fernstrom, J.D., and Wurtman, R.J. (238)
Brain monoamines and endocrine function. In: Neuroscience
Research Program Symposium Summaries. (F.O. Schmitt, G. Adelman,
T. Melnechuk, and F.G. Worden, eds.) MIT Press, Cambridge, MA,
pp.171-297, 1972.
- Fernstrom, J.D., and Wurtman, R.J. (180)
Control of brain 5-HT content by dietary carbohydrates. In:
Serotonin and Behavior (J. Barchas & E. Usdin, eds.), Academic Press,
New York and London, pp. 121-128, 1973.
- Fernstrom, J.D., and Wurtman, R.J. (225)
Nutrition and the brain. Sci. Amer., 230(2):84-91, 1974.

- Fernstrom, J.D., and Wurtman, R.J. (273)
Control of brain serotonin levels by the diet. In: Advances in Psychopharmacology: Serotonin - New Vistas. (E. Costa & M. Sandler, eds.) Raven Press, New York, Vol. 11:133-142, 1974.
- Fernstrom, J.D., and Wurtman, R.J. (318)
Brain monoamines and reproductive function. In: Reproductive Physiology II. International Review of Physiology (R.O. Greep, ed.) University Park Press, Baltimore, Maryland, Vol. 13:23-55, 1977.
- Fernstrom, M.H., and Wurtman, R.J. (363)
Increase in striatal choline acetyltransferase activity after choline administration. Brain Res., 165:358-361, 1979.
- Fernstrom, J.D., Wurtman, R.J., Hammarstrom-Wiklund, Rand, W.M., Munro, H.N., and Davidson, C.S. (390)
Diurnal variations in plasma concentrations of tryptophan, tyrosine, and other neutral amino acids: Effect of dietary protein intake. Am. J. Clin. Nutr., 32:1912-1922, 1979.
- Fernstrom, J.D., Wurtman, R.J., Hammarstrom-Wiklund, Rand, W.M., Munro, H.N., Davidson, C.S. (392)
Diurnal variations in plasma neutral amino acid concentrations among patients with cirrhosis: Effect of dietary protein. Am. J. Clin. Nutr., 32:1923-1933, 1979.
- Fischer, J.E., Kopin, I.J., and Wurtman, R.J. (33)
Effects of lumbar sympathectomy on the uterine uptake of catecholamines. Nature, 203:938-939, 1964.
- Fishman, B., Wurtman, R.J., and Munro, H.N. (130)
Daily rhythms in hepatic polysome profiles and tyrosine transaminase activity: Role of dietary protein. Proc. Nat. Acad. Sci., 64(2):677-682, 1969.
- Frank, M.M., and Wurtman, R.J. (1)
Some sources of error in the Akerfeldt test for serum oxidative activity. Proc. Soc. Exp. Biol. Med., 97:478-480, 1958.
- Gardier, A.M., Kaakkola, S., Erfurth, A., and Wurtman, R.J. (828)
Effects of methiothepin on changes in brain serotonin release induced by repeated administration of high doses of anorectic serotonergic drugs. Brain Res., 588(1):67-74, 1992.
- Gardier, A.M., and Wurtman, R.J. (813)
Persistent blockade of potassium-evoked serotonin release from rat frontocortical terminals after fluoxetine administration. Brain Res., 540:325-330, 1991.
- Gelenberg, A.J., Wojcik, J.D., Gibson, C.J., and Wurtman, R.J. (568)
Tyrosine for depression. J. Psychiat. Res., 17(2):175-180, 1982/1983.
- Gelenberg, A.J., Wojcik, J.D., Growdon, J.H., Sved, A.F., and Wurtman, R.J. (456)
Tyrosine for the treatment of depression. Am. J. Psychiatry, 137(5):622-623, 1980.

- Gelenberg, A.J., Wojcik, J.D., Growdon, J.H., Zeisel, S.H., and Wurtman, R.J. (494)
 Lecithin for the treatment of tardive dyskinesia: Preliminary results from a double-blind study. In: Tardive Dyskinesia and Related Involuntary Movements Disorders. (J. DeVeaugh-Geiss, ed.) John Wright, PSG Inc., pp. 153-160, 1982.
- Gelenberg, A.J., and Wurtman, R.J. (509)
 L-tyrosine in depression. Lancet, 316(8199):863-864, 1980.
- Gibson, C.J., Watkins, C.J., and Wurtman, R.J. (541)
 The effects of tyrosine and other nutrients on neurotransmitter synthesis in the brain and retina. Retina, 2(4):332-340, 1982.
- Gibson, C.J., Watkins, C.J., and Wurtman, R.J. (557)
 Tyrosine administration enhances dopamine synthesis and release in light-activated rat retina. J. Neural Trans., 56:153-160, 1983.
- Gibson, C.J., and Wurtman, R.J. (285)
 Physiological control of brain catechol synthesis by brain tyrosine concentration. Biochem. Pharm., 26:1137-1142, 1977.
- Gibson, C.J., and Wurtman, R.J. (378)
 Physiological control of brain norepinephrine synthesis by brain tyrosine concentration. Life Sci., 22:1399-1406, 1978.
- Glaeser, B.S., Maher, T.J., and Wurtman, R.J. (554)
 Changes in brain levels of acidic, basic, and neutral amino acids after consumption of single meals containing proportions of protein. J. Neurochem., 41(4):1016-1021, 1983.
- Glaeser, B.S., Melamed, E., Growdon, J.H., and Wurtman, R.J. (433)
 Elevation of plasma tyrosine after a single oral dose of L-tyrosine. Life Sci., 25:265-271, 1979.
- Glenner, G.G., and Wurtman, R.J. (eds.) (739)
Advancing Frontiers in Alzheimer's Disease Research, Austin: University of Texas Press, 1987.
- Glowinski, J., Axelrod, J., Kopin, I.J., and Wurtman, R.J. (29)
 Physiological disposition of H³-norepinephrine in the developing rat. J. Pharmacol. Exp. Ther., 146(1):48-53, 1964.
- Godley, B.F., Flaherty, A.W., and Wurtman, R.J. (667)
 The effects of light on retinal dopamine in the rat. In: The Medical and Biological Effects of Light (R.J., Wurtman, M.J. Baum, and J.T. Potts, eds.) NYAS, New York, pp.383-384, 1985.
- Godley, B.F., and Wurtman, R.J. (759)
 Release of endogenous dopamine from the superfused rabbit retina in vitro: Effect of light stimulation. Brain Res., 452:393-395, 1988.
- Goldman, H., and Wurtman, R.J. (28)
 Flow of blood to the pineal body of the rat. Nature, 203:87, 1964.

- Growdon, J.H., Cohen, E.L., and Wurtman, R.J. (317)
Treatment of brain disease with dietary precursors of neurotransmitters. Ann. Int. Med., 88(3):337-339, 1977.
- Growdon, J.H., Cohen, E.L., and Wurtman, R.J. (326)
Effects of oral choline administration on serum and CSF choline levels in patients with Huntington's Disease. J. Neurochem., 28: 229-231, 1977.
- Growdon, J.H., Cohen, E.L., and Wurtman, R.J. (334)
Huntington's Disease: Clinical and chemical effects of choline administration. Annals of Neurology, 1(5):418-422, 1977.
- Growdon, J.H., Corkin, S., and Wurtman, R.J. (eds.) (810)
Aging and Alzheimer's Disease. Ann. N.Y. Acad. Sci., 640, 1991.
- Growdon, J.H., Gelenberg, A.J., Doller, J., Hirsch, M.J., and Wurtman, R.J. (393)
Lecithin can suppress tardive dyskinesia. New Eng. J. Med., 298:1029-1030, 1978.
- Growdon, J.H., Hirsch, M.J., Wurtman, R.J., and Wiener, W. (353)
Oral choline administration to patients with tardive dyskinesia. New Eng. J. Med., 297:524-527, 1977.
- Growdon, J.H., Melamed, E., Logue, M., Hefti, F., and Wurtman, R.J. (524)
Effects of oral L-tyrosine administration on CSF tyrosine and homovanillic acid levels in patients with Parkinson's disease. Life Sci., 30:827-832, 1982.
- Growdon, J.H., Nader, T.M., Schoenfeld, J., and Wurtman, R.J. (796)
L-threonine in the treatment of spasticity. Clin. Neuropharm., 14(5):403-412, 1991.
- Growdon, J.H., and Wurtman, R.J. (341)
Neurotransmitter synthesis: Control by availability of dietary precursors. In: Clinical Psychoneuroendocrinology in Reproduction. (L. Carenza, P. Pancheri, L. Zichella, eds.) Academic Press, London, pp.127-138, 1978.
- Growdon, J.H., and Wurtman, R.J. (376)
Letter to the Editor: (Reply to letter from Dr. Kenneth J. Weiss). New Eng. J. Med., 297:1236, 1978.
- Growdon, J.H., and Wurtman, R.J. (395)
Choline administration to patients with Huntington's disease or tardive dyskinesia. In: Brain Acetylcholine and Psychiatric Disease. (K.L. Davis and P.S. Berger, eds.) Plenum Press, pp. 99-120, 1979.
- Growdon, J.H., and Wurtman, R.J. (418)
Oral choline administration to patients with Huntington's disease. In: Advances in Neurology. (A. Barbeau, N. Wexler, and T.N. Chase, eds.) Raven Press, New York, Vol. 23:765-776, 1979.

- Growdon, J.H., and Wurtman, R.J. (435)
Dietary influences on the synthesis of neurotransmitters in the brain.
Nutrition Reviews, 37(5):129-136, 1979.
- Growdon, J.H., and Wurtman, R.J. (443)
Nutrients and neurotransmitters. Contemporary Nutrition, 4(12), December, 1979.
- Growdon, J.H., and Wurtman, R.J. (386)
Effects of choline-containing compounds on tardive dyskinesia and other movement disorders. In: Tardive Dyskinesia Research and Treatment. (J.M. Davis, W.E. Fann, R.C. Smith, A. DiMascio, and E.F. Domino, eds.) Spectrum Pub. Inc., New York, pp.405-410, 1980.
- Growdon, J.H., and Wurtman, R.J. (430)
The use of choline and lecithin in Alzheimer's disease.
Medical Letter, 1980.
- Growdon, J.H., and Wurtman, R.J. (511)
Lecithin treatment of neuroleptic-induced tardive dyskinesia.
In: Biological Aspects of Schizophrenia and Addiction. (G. Flemmings, ed.) John Wiley and Sons Ltd., London, pp.129-138, 1982.
- Growdon, J.H., and Wurtman, R.J. (564)
The future of cholinergic precursor treatment in Alzheimer's Disease.
In: Banbury Report 15: Biological Aspects of Alzheimer's Disease (R. Katzman, ed.) Cold Spring Harbor Laboratory, pp.451-459, 1983.
- Growdon, J.H., Wurtman, R.J., Corkin, S., and Nitsch, R.M., eds. (973)
The Molecular Basis of Dementia. Proceedings of the Ninth Meeting of the International Group on the Pharmacology of Memory Disorders Associated with Aging, Zurich, Switzerland, February 18-20, 2000.
Ann. New York Acad. Sci., Vol. 920, 2000.
- Hefti, F., Melamed, E., Bhawan, J., and Wurtman, R.J. (486)
Long-term administration of L-DOPA does not damage dopaminergic neurons in the mouse. Neurology, 31:1194-1195, 1981.
- Hefti, F., Melamed, E., Sahakian, B.J., and Wurtman, R.J. (444)
Circling behavior in rats with partial, unilateral nigro-striatal lesions: Effect of amphetamine, apomorphine, and DOPA. Pharmacol. Biochem. Behavior, 12:185-188, 1980.
- Hefti, F., Melamed, E., and Wurtman, R.J. (453)
Partial lesions of the dopaminergic nigrostriatal system in rat brain: Biochemical characterization. Brain Res., 195:123-137, 1980.
- Hefti, F., Melamed, E., and Wurtman, R.J. (457)
The decarboxylation of DOPA in the Parkinsonian brain: *In vivo* studies on an animal model. J. Neur. Trans., Suppl. 16:95-101, 1980.
- Hefti, F., Melamed, E., and Wurtman, R.J. (489)
The site of dopamine formation in rat striatum after L-Dopa administration. J. Pharmacol. Exp. Ther., 217(1):189-197, 1981.

- Heraief, E., Burckhardt, P., Mauron, C., Wurtman, J.J., and Wurtman, R.J. (560)
The treatment of obesity by carbohydrate deprivation suppresses plasma tryptophan and its ratio to other large neutral amino acids. J. Neur. Trans., 57:187-195, 1983.
- Heraief, E., Burckhardt, P., Wurtman, J.J., and Wurtman, R.J. (589)
Tryptophan administration may enhance weight loss by some moderately obese patients on a protein-sparing modified fast (PSMF) diet. Int. J. Eating Disorders, 4:281-292, 1985.
- Hilibrand, A.S., Richardson, U.I., Blusztajn, J.K., and Wurtman, R.J. (682)
NG108-15 Hybrid cells take up but do not synthesize serotonin. Neurochem. Int. 10(2):185-189, 1987.
- Hirsch, J.A., Goldberg, S., and Wurtman, R.J. (516)
Effect of (+)-or(-)-enantiomers of fenfluramine or nonfenfluramine on nutrient selection by rats. J. Pharm. Pharmacol., 34:18-21, 1982.
- Hirsch, M.J., Growdon, J.H., and Wurtman, R.J. (332)
Increase in hippocampal acetylcholine after choline administration. Brain Res., 125:383-385, 1977.
- Hirsch, M.J., Growdon, J.H., and Wurtman, R.J. (377)
Relations between dietary choline or lecithin intake, serum choline levels, and various metabolic indices. Metabolism, 27(8):953-960, 1978.
- Hirsch, J.A., and Wurtman, R.J. (482)
Effects of D- or L-isomers of fenfluramine and nonfenfluramine on food choice by rats. In: Anorectic Agents: Mechanisms of Action and Tolerance. (S. Garattini and R. Samarin, eds.), Raven Press, New York, pp. 159-168, 1981.
- Hirsch, M.J., and Wurtman, R.J. (397)
Lecithin consumption increases acetylcholine concentrations in rat brain and adrenal gland. Science, 202:223-225, 1978.
- Hoeldtke, R., Baliga, B.S., Issenberg, P., and Wurtman, R.J. (176)
Dihydroxyphenylalanine in rat food containing wheat and oats. Science, 175:761-762, 1972.
- Hoeldtke, R., Rogawski, M., and Wurtman, R.J. (228)
Effect of selective destruction of central and peripheral catecholamine-containing neurons with 6-hydroxydopamine on catecholamine excretion in the rat. Br. J. Pharmac., 50:265-270, 1974.
- Hoeldtke, R.D., and Wurtman, R.J. (206)
Excretion of catecholamines and catecholamine metabolites in kwashiorkor. Am. J. Clin. Nutr., 26:205-210, 1973.
- Hoeldtke, R.D., and Wurtman, R.J. (194)
Synthesis of DOPA in rat stomach following ingestion of cereals. Metabolism, 23(1):25-31, 1974.

Hoeldtke, R.D., and Wurtman, R.J. (217)
Cereal Ingestion and catecholamine excretion. Metabolism,
23(1):33-41, 1974.

Holbrook, P.G., and Wurtman, R.J. (691)
A role for base exchange in cellular calcium signaling? Annals New York Acad. Sci. (3rd Symposium on Cellular Signal Transduction), 494: 114-116, 1987.

Holbrook, P.G., and Wurtman, R.J. (677)
Presence of base-exchange activity in rat brain nerve endings:
Dependence on soluble substrate concentrations and effect of cations.
J. Neurochem., 50:156-162, 1988.

Holbrook, P.G., and Wurtman, R.J. (699)
Calcium-dependent incorporation of choline into phosphatidylcholine (PC) by base-exchange in rat brain membranes occurs preferentially with phospholipid substrates containing docosahexaenoic acid (22:69(n - 3)).
Biochimica et Biophysica Acta, 1046:185-188, 1990.

Holguin, S., Martinez J, Chow C, Wurtman, R. Dietary Uridine (1038)
Dietary Uridine Enhances the Improvement in Learning and Memory
Produced by administering DHA plus Choline to Gerbils. FASEB J 22:3938-3946, 2008.

Holguin, S., Huang, Y., Liu, J., Wurtman, R. Chronic administration (1039)
of DHA and UMP improves the impaired memory of environmentally
impoverished rats. Behavioural Brain Research 191:11-16, 2008.

Holmes, T.C., Nitsch, R.M., Erfurth, A., and Wurtman, R.J. (882)
Phospholipid and phospholipid metabolites in rat frontal cortex
are decreased following nucleus basalis lesions. In: Alzheimer's Disease, Amyloid Precursor Proteins, Signal Transduction, and Neuronal Transplantation (Nitsch, R.M., Growdon, J.H., Corkin, S., and Wurtman, R.J., eds.) Ann. N.Y. Acad. Sci., 695:241-243, 1993.

Holmgren, U., Altschule, M.D., and Wurtman, M.D. (5)
Effects of injection of bovine pineal extract on the nuclei of rat
pineal parenchymal cells. Nature, 186:393-394, 1960.

Hori, H., Wurtman, R.J., and Zervas, N.T. (325)
Alpha methyl p tyrosine and experimental stroke. In: Cerebral Circulation and Metabolism. (T.W. Langfitt, L.C. McHenry, M. Reivich, and H. Wollman, eds.) Springer-Verlag, New York, pp.77-78, 1975.

Howd, R.A., Seo, K.S., and Wurtman, R.J. (301)
Rat liver N-acetyltransferase; Inhibition by melatonin. Biochem. Pharmacol., 25:977-978, 1976.

Huff, F.J., Maire, J.C., Growdon, J.H., Corkin, S., and Wurtman, R.J. (628)
Cholinesterases in cerebrospinal fluid correlations with clinical
measures in Alzheimer's disease. J. Neurol. Sci., 72:121-129, 1986.

- Hung, A.Y., Haass, C., Nitsch, R.M., Qiu, W.Q., Citron, M., Wurtman, R.J., Growdon, J.H., and Selkoe, D.J. (841)
Activation of protein kinase C inhibits cellular production of the amyloid β -protein. J. Biol. Chem., 268(31):22959-22962, 1993.
- Hurko, O., Elster, P., and Wurtman, R.J. (221)
Adenylate cyclase activity in Bovine adrenal medulla. Endocrin., 94(2):591-593, 1974.
- Hyypa, M.T., Cardinali, D.P., Baumgarten, H.G., and Wurtman, R.J. (215)
Rapid accumulation of H^3 -serotonin in brains of rats receiving intraperitoneal H^3 -tryptophan: Effects of 5,6-dihydroxytryptamine or female sex hormones. J. Neur. Trans., 34:111-124, 1973.
- Hyypa, M.T., Cardinali, D.P., and Wurtman, R.J. (205)
Sex-dependent increase in pineal hydroxyindole-O-methyl transferase activity after a single intraventricular injection of 6-hydroxydopamine to newborn rats. Neuroendocrin., 11:274-283, 1973.
- Hyypa, M.T., Wurtman, R.J. (189)
Time-dependent changes in brain 3H -norepinephrine disappearance caused by L-dopa administration. Life Sci., 11(1):713-721, 1972.
- Hyypa, M., and Wurtman, R.J. (207)
Biogenic amines in the pituitary gland: What is their origin and function? Pituitary Indolamines. In: Progress in Brain Research. Drug Effects on Neuroendocrine Regulation, Vol. 39. (E. Zimmerman, W.H. Gispen, B.H. Marks, and D. deWied, eds.) Elsevier, Amsterdam, pp. 211-215, 1973.
- Irie, K., and Wurtman, R.J. (733)
Release of norepinephrine from rat hypothalamic slices: Effects of desipramine and tyrosine. Brain Res., 423:391-394, 1987.
- Jackson, D.A., Kischka, U., and Wurtman, R.J. (851)
Choline enhances scopolamine-induced acetylcholine release in dorsal hippocampus of conscious, freely-moving rats. Life Sci., 56(1):45-49, 1995.
- Jacoby, J.H., Colmenares, J.L., and Wurtman, R.J. (270)
Failure of decreased serotonin uptake or monoamine oxidase inhibition to block the acceleration in brain 5-hydroxyindole synthesis that follows food consumption. J. Neur. Trans., 37:25-32, 1975.
- Jacoby, J.H., Howd, R.A., Levin, M.S., and Wurtman, R.J. (306)
Mechanisms by which quipazine, a putative serotonin receptor agonist, alters brain 5-hydroxyindole metabolism. Neuropharmacol., 15:529-534, 1976.
- Jacoby, J.H., Mueller, G., and Wurtman, R.J. (299)
Thyroid state and brain monoamine metabolism. Endocrin., 97(5): 1332-1335, 1975.

Jacoby, J.H., Shabshelowitz, H., Fernstrom, J.D., and (295)
Wurtman, R.J.

The mechanisms by which methiothepin, a putative serotonin receptor
antagonist, increases brain 5-hydroxyindole levels. J. Pharmacol.
Exp. Ther., 195(2):257-264, 1975.

Jimerson, D.C., Lynch, H.J., Post, R.M., Wurtman, R.J., and (339)
Bunney, Jr., W.E.

Urinary melatonin rhythms during sleep deprivation in depressed
patients and normals. Life Sci., 20:1501-1508, 1977.

Johnson, D.A., Ulus, I.H., and Wurtman, R.J. (844)
Caffeine potentiates the enhancement by choline of striatal
acetylcholine release. Life Sci., 51:1597-1601, 1992.

- Kaakkola, S., Tuomainen, P., Wurtman, R.J., and Mannisto, P.T. (811)
Effects of systemic carbidopa on dopamine synthesis in rat hypothalamus and striatum. J. Neural Transm. [P-D Sect], 4:143-154, 1992.
- Kaakkola, S., and Wurtman, R.J. (842)
Effects of COMT inhibitors on striatal dopamine metabolism: A microdialysis study. Brain Res., 597:241-249, 1992.
- Kaakkola, S., and Wurtman, R.J. (847)
Effects of catechol-O-methyltransferase inhibitors and L-3,4-dihydroxyphenylalanine with or without carbidopa on extracellular dopamine in rat striatum. J. Neurochem., 60(1):137-144, 1993.
- Kaakkola, S., and Wurtman, R.J. (857)
Effects of two diketopiperazines, Cyclo (His-Pro) and Cyclo (Asp-Phe), on striatal dopamine: A microdialysis study. Brain Res. Bull., 32:667-672, 1993.
- Kamphuis, P., Wurtman, R.J. **Nutrition and Alzheimer's Disease: Preclinical Concepts.** European Journal of Neurology 16 (Suppl. 1); 12-18, 2009. (1040)
- Kaye, W.H., Gwirtsman, H.E., Brewerton, T.D., George, D.T., and Wurtman, R.J. (697)
Bingeing behavior and plasma amino acids: A possible involvement of brain serotonin in bulimia nervosa. Psychiat. Res., 23:31-43, 1988.
- Kerstetter, J., Caballero, B., O'Brien, K., and Wurtman, R.J. (786)
Mineral homeostasis in obesity: Effects of euglycemic hyperinsulinemia. Metabolism, 40(7):707-713, 1991.
- Kim, S.H., Mauron, J., Gleason, R. and Wurtman, R.J. (769)
Selection of carbohydrate to protein ratio and correlations with weight gain and body fat in rats allowed three dietary choices. Internat. J. Vit. Nutr. Res., 61:166-179, 1991.
- Kim, S.H., and Wurtman, R.J. (718)
Selective effects of CGS 10686B, d1-fenfluramine or fluoxetine on nutrient selection. Physiol. Behav., 42:319-322, 1988.
- Kischka, U., Farber, S.A., Marshall, D., and Wurtman, R.J. (854)
Carbachol and naloxone synergistically elevate dopamine release in rat striatum: An in vivo microdialysis study. Brain Res., 613:288-290, 1993.
- Knapp, S., and Wurtman, R.J. (963)
Enhancement of free fatty acid incorporation into phospholipids by choline plus cytidine. Brain Res. 822:52-59, 1999.
- Kopin, I.J., and Wurtman, R.J. (13)
Flow of uterine blood, and the oestrous cycle. Nature, 199: 386-387, 1963.
- Kreutz, M.R., Acworth, I.N., Lehnert, H., and Wurtman, R.J. (794)
Systemic administration of thyrotropin-releasing hormone enhances striatal dopamine release in vivo. Brain Res., 536:347-352, 1990.

- Laferriere, B., and Wurtman, R.J. (771)
 Effect of D-fenfluramine on serotonin release in brains of anaesthetized rats. Brain Res., 504:258-263, 1989.
- Lakher, M., and Wurtman, R.J. (701)
 In vivo synthesis of phosphatidylcholine in rat brain via the phospholipid methylation pathway. Brain Res., 419:131-140, 1987.
- Lakher, M.B., and Wurtman, R.J. (702)
 Molecular composition of the phosphatidylcholines produced by the phospholipid methylation pathway in rat brain *in vivo*. Biochem. J., 244:325-330, 1987.
- Lakher, M., Wurtman, R.J., Blusztajn, J., Holbrook, P., Maire, J-C., Mauron, C., and Tacconi, M. (663)
 Brain phosphatidylcholine pools as possible sources of free choline for acetylcholine synthesis. In: Biological Methylation and Drug Design (R.T. Borchardt, C.R. Crevling, and P.M. Ueland, eds.) The Humana Press, pp.101-110, 1986.
- Lavyne, M.H., Koltun, W.A., Clement, J.A., Rosene, D.L., Pickren, K.S., Zervas, N.T., and Wurtman, R.J. (324)
 Decrease in neostriatal blood flow after D-amphetamine administration or electrical stimulation of the substantia nigra. Brain Res., 135: 76-86, 1977.
- Lavyne, M.H., Moskowitz, M.A., Larin, F., Zervas, N.T., and Wurtman, R.J. (265)
 Brain H³-catecholamine metabolism in experimental cerebral ischemia. Neurology, 25(5):483-485, 1975.
- Lavyne, M., Moskowitz, M., Zervas, N., and Wurtman, R.J. (271)
 Rotational behavior in gerbils following unilateral common carotid artery ligation. J. Neural Trans., 36:83-89, 1975.
- Lavyne, M., Wurtman, R.J., Moskowitz, M., and Zervas, N. (283)
 Brain catecholamines and cerebral blood flow. Life Sci., 16(4): 475-486, 1975.
- Lee, R.K.K., Araki, W., and Wurtman, R.J. (936)
 Stimulation of amyloid precursor protein synthesis by adrenergic receptors coupled to cAMP formation. Proc. Natl. Acad. Sci., 94: 5422-5426, 1997.
- Lee, R.K.K., Jimenez, J., Cox, A.J., and Wurtman, R.J. (869)
 Metabotropic glutamate receptors regulate APP processing in hippocampal neurons and cortical astrocytes derived from fetal rats. In: The Neurobiology of Alzheimer's Disease. (R.J. Wurtman, S. Corkin, J.H. Growdon, and R.M. Nitsch, eds.) Presented at the 8th Zurich Meeting of the International Study Group on the Pharmacology of Memory Disorders Associated with Aging, Zurich, Switzerland, February 17-19, 1995. Annals N.Y. Acad. Sci., 777:338-343, 1996.
- Lee, R.K.K., Knapp, S., and Wurtman, R.J. (959)
 Prostaglandin E₂ stimulates amyloid precursor protein gene expression: Inhibition by immunosuppressants. J. Neurosci., 19(3):940-947, 1999.

- Lee, R.K.K., and Wurtman, R.J. (926)
Metabotropic glutamate receptors increase amyloid precursor protein processing in astrocytes: Inhibition by cyclic AMP. J. Neurochem., 68(5):1830-1835, 1997.
- Lee, R.K.K., and Wurtman, R.J. (976)
Regulation of App synthesis and secretion by neuroimmunophilin ligands and cyclooxygenase inhibitors. In: The Molecular Basis of Dementia (J.H. Growdon, R.J. Wurtman, S. Corkin, and R.M. Nitsch, eds.) Proceedings of the Ninth Meeting of the International Group on the Pharmacology of Memory Disorders Associated with Aging, Zurich, Switzerland, February 18-20, 2000. Ann. New York Acad. Sci., Vol. 920: 261-268, 2000.
- Lee, R.K.K., Wurtman, R.J., Cox, A.J., and Nitsch, R.M. (905)
Amyloid precursor protein processing is stimulated by metabotropic glutamate receptors. Proc. Natl. Acad. Sci., 92:8083-8087, 1995.
- Lehnert, H., Beyer, J., Reinstein, D.K., Richardson, U.I., and Wurtman, R.J. (782)
Relationship between pituitary ACTH content and hypothalamic catecholamines in the rat. Res. Exp. Med., 189:289-293, 1989.
- Lehnert, H., Lombardi, F., Raeder, E.A., Lorenzo, A.V., Verrier, R.L., Lown, B., and Wurtman, R.J. (732)
Increased release of brain serotonin reduces vulnerability to ventricular fibrillation in the cat. J. Cardiovas. Pharmacol., 10: 389-397, 1987.
- Lehnert, H., Reinstein, D.K., Stowbridge, B.W., and Wurtman, R.J. (601)
Neurochemical and behavioral consequences of acute, uncontrollable stress: Effects of dietary tyrosine. Brain Res., 303:215-223, 1984.
- Lehnert, H., Reinstein, D.K., and Wurtman, R.J. (581)
Tyrosine reverses the depletion of brain norepinephrine and the behavioral deficits caused by tail-shock stress in rats. In: Stress - The Role of Catecholamines and Other Neurotransmitters (E. Usdin, R. Kvetnansky, and J. Axelrod, eds.) Gordon and Breach Science Publishers, NY, Vol. 1, pp. 81-89, 1984.
- Lehnert, H., and Wurtman, R.J. (875)
Amino acid control of neurotransmitter synthesis and release: Physiological and clinical implications. In: Psychotherapy and Psychosomatics/Bio-Behavioral Research and Psychosomatic Disorders (D.H. Hellhammer, Trier, ed.) S. Karger Medical and Scientific Publishers, Psychother. Psychosom., 60:18-32, 1993.
- Leprohon, C.E., Blusztajn, J.K., and Wurtman, R.J. (555)
Dopamine stimulation of phosphatidylcholine (lecithin) biosynthesis in rat brain neurons. Proc. Natl. Acad. Sci., 80:2063-2066, 1983.

- Li, J., and Wurtman, R.J. (956)
Nerve growth factor stimulates diacylglycerol de novo synthesis and phosphatidylinositol hydrolysis in pheochromocytoma cells. Brain Res., 803:44-53, 1998.
- Li, J., and Wurtman, R.J. (944)
Mechanisms whereby nerve growth factor increases diacylglycerol levels in differentiating PC12 cells. Brain Res., 818:252-259, 1999.
- Li, J., and Wurtman, R.J. (962)
Heterogeneous long chain Acyl-CoA synthetases control distribution of individual fatty acids in newly-formed glycerolipids of neuronal cells undergoing neurite outgrowth. Neurochem. Res., 24(6):739-750, 1999.
- Lieberman, H.R., Corkin, S., Spring, B.J., Garfield, G.S., Growdon, J.H., and Wurtman, R.J. (569)
The effects of tryptophan and tyrosine on human mood and performance. Psychopharm. Bull., 20(3):595-598, 1984.
- Lieberman, H.R., Corkin, S., Spring, B.J., Growdon, J.H., and Wurtman, R.J. (567)
Mood, performance, and pain sensitivity: Changes induced by food constituents. J. Psychiat. Res., 17(2):135-145, 1982/1983.
- Lieberman, H.R., Corkin, S., Spring, B.J., Wurtman, R.J., and Growdon, J.H. (623)
The effects of dietary neurotransmitter precursors on human behavior. Am. J. Clin. Nutri., 42:366-370, 1985.
- Lieberman, H.R., Corkin, S., and Wurtman, R.J. (622)
Further evidence of the hypnotic properties of tryptophan. In: Progress in Tryptophan and Serotonin Research (H.G. Schlossberger, W. Kochen, B. Linzen, H. Steinhart, eds.), Walder de Gruyter & Co., Berlin/New York, pp. 315-319, 1984.
- Lieberman, H.R., Garfield, G., Waldhauser, F., Lynch, H.J., and Wurtman, R.J. (669)
Possible behavioral consequences of light-induced changes in melatonin availability. In: The Medical and Biological Effects of Light (R.J., Wurtman, M.J. Baum, and J.T. Potts, eds.) NYAS, New York, pp.242-252, 1985.
- Lieberman, H.R., Waldhauser, F., Garfield, G., Lynch, H.J., and Wurtman, R.J. (598)
Effects of melatonin on human mood and performance. Brain Res., 323:201-207, 1984.
- Lieberman, H.R., and Wurtman, R.J. (671)
Foods and food constituents that affect the brain and human behavior. Food Technology, 40(1):139-141, 1986.
- Lieberman, H.R., Wurtman, R.J. (717)
Nutrition, neurotransmission and behavior. In: Proceedings of the X111 International Congress of Nutrition/1985 (T. Taylor, and N.K., eds.), London, John Libbey and Co., Ltd., pp. 848-851, 1986.

- Lieberman, H.R., Wurtman, R.J., Emde, G.G., and Coviella, I.L.G. (611)
The effects of caffeine and aspirin on mood and performance. J.
Clin. Psychopharm., 7(5):315-320, 1987.
- Lieberman, H.R., Wurtman, R.J., Emde, G.G., Roberts, C., and (621)
Coviella, I.L.G.
The effects of low doses of caffeine on human performance and mood.
Psychopharmacology, 92:308-312, 1987.
- Liebschutz, J., Airolidi, L., Brownstein, M.J., Chinn, N.G., (310)
and Wurtman, R.J.
Regional distribution of endogenous and parenteral glutamate,
aspartate and glutamine in rat brain. Biochem. Pharmacol., 26:
443-446, 1977.
- Lipsett, D., Madras, B.K., Wurtman, R.J., and Munro, H.M. (214)
Serum tryptophan level after carbohydrate ingestion: Selective
decline in non-albumin-bound tryptophan coincident with reduction
in serum free fatty acids. Life Sci., 12(II):57-64, 1973.
- Liscovitch, M., Blusztajn, J.K., Freese, A., and Wurtman, R.J. (692)
Stimulation of choline release from NG108-15 cells by
12-O-tetradecanoylphorbol 13-acetate. Biochem. J., 241:81-86, 1987.
- Liscovitch, M., Freese, A., Blusztajn, J.K., and Wurtman, R.J. (625)
High-performance liquid chromatography of water-soluble choline
metabolites. Analyt. Biochem., 151:182-187, 1985.
- Liscovitch, M., Freese, A., Blusztajn, J.K., and Wurtman, R.J. (689)
Phosphatidylcholine biosynthesis in the neuroblastoma-glioma hybrid
cell line NG108-15: Stimulation by phorbol esters. J. Neurochem.,
47(6):1936-1941, 1986.
- Liscovitch, M., Slack, B., Blusztajn, J.K., and Wurtman, R.J. (735)
Differential regulation of phosphatidylcholine biosynthesis by 12-O-
tetradecanoylphorbol-13-acetate and diacylglycerol in NG108-15
neuroblastoma x glioma hybrid cells. J. Biol. Chem., 262(36):
17487-17491, 1987.
- Lo, C.-M., Kowk, M.-L., and Wurtman, R.J. (304)
O-Methylation and decarboxylation of α -methyldopa in brain and
spinal cord: Depletion of S-adenosylmethionine and accumulation of
metabolites in catecholaminergic neurones. Neuropharmacol., 15:
395-402, 1976.
- Logue, M.P., Growdon, J.H., Coviella, I., L.-G., and Wurtman, (638)
R.J.
Differential effects of DSP-4 administration on regional brain
norepinephrine turnover in rats. Life Sci., 37:403-409, 1985.
- Lopez, G.-Coviella, I., Agut, J., Ortiz, J.A., and Wurtman, R.J. (827)
Effects of orally administered cytidine 5'diphosphate choline on
brain phospholipid content. J. Nutr. Biochem., 3:313-315, 1992.

- Lopez G.-Coviella, I., Agut, J., Savci, V., Ortiz, J.A., and Wurtman, R.J. (887)
 Evidence that 5'-Cytidinediphosphocholine can affect brain phospholipid composition by increasing choline and cytidine plasma levels. J. Neurochem., 65(2):889-894, 1995.
- Lopez G.-C., I., Agut, J., Von Borstel, R., and Wurtman, R.J. (722)
 Metabolism of cytidine (5')-diphosphocholine (CDP-choline) following oral and intravenous administration to the human and the rat. Neurochem. Int., 11(3):293-297, 1987.
- Lopez G.-C., I., Agut, J., and Wurtman, R.J. (678)
 Effect of cytidine(5')diphosphocholine (CDP-choline) on the total urinary excretion of 3-methoxy-4-hydroxyphenylglycol (MHPG) by rats and humans. J. Neural Trans., 66:129-134, 1986.
- Lopez-Coviella, I., Clark, W.M., Warach, S., Sandage, B., Agut, J., Ortiz, J.A., and Wurtman, R.J. (903)
 CDP-choline (citicoline): Potential mechanisms of action and preliminary results in human stroke. In: Restorative Neurology: Advances in Pharmacotherapy for Recovery after Stroke (L.B. Goldstein, ed.) Futura Publishing Co., Inc., Armonk, NY, Chapter 8, pp.195-212, 1998.
- Lopez, G.-Coviella, I., and Wurtman, R.J. (798)
 Enhancement by cytidine of membrane phospholipid synthesis. J. Neurochem., 59(1):338-343, 1992.
- Lynch, H.J., Brzezinski, A., Deng, M.H., Liberman, H., and Wurtman, R.J. (708)
 Effect of behavioral and physiological variables on melatonin secretion in humans. In: Advances in Pineal Research (r. Reiter and F. Franschini, eds.) London, John Libby & Co., Vol. 2, pp.181-190, 1987.
- Lynch, H.J., Deng, M.H., and Wurtman, R.J. (614)
 Light intensities required to suppress nocturnal melatonin secretion in albino and pigmented rats. Life Sci., 35:841-848, 1984.
- Lynch, H.J., Deng, M.H., and Wurtman, R.J. (618)
 Indirect effects of light: ecological and ethological considerations. Annals N.Y. Acad. Sci., 453:231-245, 1985.
- Lynch, H.J., Eng, J.P., and Wurtman, R.J. (224)
 Control of pineal indole biosynthesis by changes in sympathetic tone caused by factors other than environmental lighting. Proc. Nat. Acad. Sci., 70(6):1704-1707, 1973.
- Lynch, H.J., Ho, M., and Wurtman, R.J. (328)
 The adrenal medulla may mediate the increase in pineal melatonin synthesis induced by stress, but not that caused by exposure to darkness. J. Neural Trans., 40:87-97, 1977.

- Lynch, H.J., Hsuan, M., and Wurtman, R.J. (248)
Sympathetic neural control of indoleamine metabolism in the rat pineal gland. In: Biological rhythms and endocrine function Adv. Exp. Med. Biol., (L.W. Hedlund, J.M. Franz & A.D. Kenny, eds.), Vol. 54:93-114, 1975.
- Lynch, H.J., Jimerson, D.C., Ozaki, Y., Post, R.M., Bunney, W.E. (398)
and Wurtman, R.J.
Entrainment of rhythmic melatonin secretion in man to a 12-hour phase shift in the light/dark cycle. Life Sci., 23:1557-1564, 1978.
- Lynch, H.J., Ozaki, Y., Shakal, D., and Wurtman, R.J. (305)
Melatonin excretion of man and rats: Effect of time of day, sleep, pinealectomy and food consumption. Int. J. Biometeor., 19(4):267-279, 1975.
- Lynch, H.J., Ozaki, Y., and Wurtman, R.J. (382)
The measurement of melatonin in mammalian tissues and body fluids. J. Neural Trans., Suppl. 13:251-264, 1978.
- Lynch, H.J., Rivest, R.W., Ronsheim, P.M., and Wurtman, R.J. (515)
Light intensity and the control of melatonin secretion in rats. Neuroendocrinology, 33:181-185, 1981.
- Lynch, H.J., Rivest, R.W., and Wurtman, R.J. (436)
Artificial induction of melatonin rhythms by programmed microinfusion. Neuroendocrin., 31:106-111, 1980.
- Lynch, H.J., Wang, P., and Wurtman, R.J. (218)
Increase in rat pineal melatonin content following L-dopa administration. Life Sci., 12(4):145-151, 1973.
- Lynch, H.J., and Wurtman, R.J. (275)
Human Urinary Melatonin: A 24-hour rhythm. In: Fertility Regulation through Basic Research. (W.A. Sadler & S. Segal, eds.) Plenum Press, New York, 1974.
- Lynch, H.J., and Wurtman, R.J. (408)
Control of rhythms in the secretion of pineal hormones in humans and experimental animals. In: Biological Rhythms and their Central Mechanism. (M. Suda, O. Hayashi, and H. Nakagawa, eds.) The Naito Foundation, Elsevier/North-Holland Biomedical Press, pp.117-131, 1979.
- Lynch, H.J., and Wurtman, R.J. (476)
Melatonin levels as they relate to reproductive physiology. In: The Pineal Gland: Reproductive Effects. (R. Reiter, ed.) CRC Press, pp. 103-123, 1981.
- Lynch, H.J., Wurtman, R.J., Moskowitz, M.A., Archer, M.C., and Ho, M.H. (277)
Daily rhythm in human urinary melatonin. Science, 187:169-171, 1975.
- Lynch, H.J., Wurtman, R.J., and Ronsheim, P. (544)
Activity and melatonin rhythms among rats with recourse to dark burrows. In: The Pineal and its Hormones (R.J. Reiter, ed.) Alan R. Liss, New York, pp.75-86, 1982.

- Lytle, L.D., Hurko, O., Romero, J.A., Cottman, K., Leehey,
D., and Wurtman, R.J. (193)
The effects of 6-hydroxydopamine pretreatment on the accumulation of
dopa and dopamine in brain and peripheral organs following L-dopa
administration. J. Neur. Trans., 33:63-71, 1972.
- Lytle, L.D., Shoemaker, W.J., Cottman, K., and Wurtman, R.J. (184)
Long-term effects of postnatal 6-hydroxydopamine treatment on tissue
catecholamine levels. J. Pharm. Exp. Ther., 183(1):56-64, 1972.
- Lytle, L.D., Taam, D.W., and Wurtman, R.J. (222)
Blockade of endotoxin-induced hypothermia by pretreatment with intracisternal 6-
hydroxydopamine. Life Sci., 13:485-492, 1973.
- Lytle, L.D., and Wurtman, R.J. (311)
Neurotransmitter regulatory mechanisms. In: Hormone and Antihormone
Action at the Target Cell. (S. Bernhard, ed.) Dahlem Konferenzen,
pp.125-145, 1976.
- Madras, B.K., Cohen, E.L., Fernstrom, J.D., Larin, F.,
Munro, H.N., and Wurtman, R.J. (223)
Dietary carbohydrate increases brain tryptophan and decreases
serum-free tryptophan. Nature, 244(5410):34-35, 1973.
- Madras, B.K., Cohen, E.L., Messing, R., Munro, H.N., and
Wurtman, R.J. (258)
Relevance of free tryptophan in serum to tissue tryptophan
concentrations. Metabolism, 23(12):1107-1116, 1974.
- Madras, B.K., Cohen, E.L., Munro, H.N., and Wurtman, R.J. (264)
Elevation of serum free tryptophan, but not brain tryptophan,
by serum nonesterified fatty acids. In: Advances in
Psychopharmacology: Serotonin-New Vistas. (E. Costa and M. Sandler,
eds.), Raven Press, New York, Vol. 11, pp.143-151, 1974.
- Magil, S.G., Zeisel, S.H., and Wurtman, R.J. (484)
Effects of ingesting soy or egg lecithins on serum choline, brain
choline and brain acetylcholine. J. Nutrition, 111(1):166-170, 1981.
- Maher, T.J., Glaeser, B.S., and Wurtman, R.J. (591)
Diurnal variations in plasma concentrations in plasma concentrations
of basic and neutral amino acids and in red cell concentrations of
aspartate and glutamate: Effects of dietary protein intake. Am. J.
Clin. Nutr., 39:722-729, 1984.
- Maher, T.J., Kiritsy, P.J., Moya-Huff, F.A., Casacci, F.,
De Marchi, F., and Wurtman, R.J. (710)
Use of parenteral dipeptides to increase serum tyrosine levels and
to enhance catecholamine-mediated neurotransmission. J. Pharm. Sci.,
79(8):685-687, 1990.
- Maher, T.J., Ulus, I.H., and Wurtman, R.J. (965)
Phentermine and other monoamine-oxidase inhibitors may increase
plasma serotonin when given with fenfluramines. The Lancet,
353(9146):38, 1999.

- Maher, T.J., Ulus, I.H., and Wurtman, R.J. (970)
Does phentermine inhibit monoamine oxidase? The Lancet, 353(9161):
1362-1363, 1999.
- Maher, T.J., and Wurtman, R.J. (429)
L-threonine administration increases glycine concentrations in the rat
central nervous system. Life Sci., 26:1283-1286, 1980.
- Maher, T.J., and Wurtman, R.J. (602)
High doses of aspartame reduce blood pressure in spontaneously
hypertensive rats. (Letter-to-the-Editor) New Eng. J. Med., 309(18):
1125, 1983.
- Maher, T.J., and Wurtman, R.J. (695)
Possible neurologic effects of aspartame, a widely used food additive.
Environmental Health Perspectives, 75:53-57, 1987.
- Maire, J-C., Blusztajn, J.K., and Wurtman, R.J. (605)
Effects of exogenous choline contents and release in striatal slices.
In: Dynamics of Cholinergic Function (I. Hanin, ed.) Plenum Press,
New York, pp.575-581, 1986.
- Maire, J.-C.E., and Wurtman, R.J. (595)
Choline production from choline-containing phospholipids: A
hypothetical role in Alzheimer's Disease and aging. Progr. Neuro-
Psychopharmacol. & Biol. Psychiat., 8:637-642, 1984.
- Maire, J.C., and Wurtman, R.J. (624)
Effects of electrical stimulation and choline availability on the
release and contents of acetylcholine and choline in superfused slices
from rat striatum. J. Physiol., 80:189-195, 1985.
- Maire, J.C., and Wurtman, R.J. (620)
Source and availability of choline for acetylcholine synthesis and
release in brain tissue. In: Perspectives in Psychopharmacology
(J. Archas and W. Bunney, eds.), Alan R. Liss, Inc., New York, 1987.
- Manshardt, J., and Wurtman, R.J. (84)
Daily rhythm in the noradrenaline content of rat hypothalamus.
Nature, 217(5128):574-575, 1968.
- Marshall, D.L., De Micheli, E., Bogdanov, M.B., and
Wurtman, R.J. (890)
Effects of ethanolamine (ETN) administration on ETN and choline (CH)
levels in plasma, brain extracellular fluid (ECF) and brain tissue,
and on brain phospholipid levels in rats: An in vivo study. Neurosci.
Res. Commun., 18(2):87-96, 1996.
- Marshall, D.L., and Wurtman, R.J. (866)
Effect of choline on basal and stimulated acetylcholine release: an
in vivo microdialysis study using a low neostigmine concentration.
Brain Res., 269:269-274, 1993.
- Martin-Du-Pan, R., Mauron, C., Glaeser, B., and Wurtman, R.J. (532)
Effect of various oral glucose doses on plasma neutral amino acid
levels. Metabolism, 31(9):937-943, 1982.

- Martin-Du-Pan, R.C., and Wurtman, R.J. (542)
Role de l'alimentation dans la synthese des neurotransmetteurs et dans les fonctions cerebrales: Implications cliniques. Schweiz. Med. Wschr., 111:1422-1434, 1981.
- Mauron, C., Wurtman, J.J., and Wurtman, R.J. (470)
Clonidine increases food and protein consumption in rats. Life Sci., 27:781-791, 1980.
- Mauron, C., and Wurtman, R.J. (552)
Co-administering tyrosine with glucose potentiates its effect on brain tyrosine levels. J. Neur. Trans., 55:317-321, 1982.
- McCall, A., Glaeser, B.S., Millington, W., and Wurtman, R.J. (459)
Monosodium glutamate neurotoxicity, hyperosmolarity, and blood-brain barrier dysfunction. Neurobehavioral Toxicology, 1:279-283, 1979.
- McCall, A.L., Millington, W.R., and Wurtman, R.J. (506)
Blood-brain barrier transport of caffeine: Dose-related restriction of adenine transport. Life Sci., 31:2709-2715, 1982.
- McCall, A.L., Millington, W.R., and Wurtman, R.J. (547)
Metabolic fuel and amino acid transport into the brain in experimental diabetes mellitus. Proc. Natl. Acad. Sci., 79:5406-5410, 1982.
- McGuire, R.A., Rand, W.M., Wurtman, R.J. (233)
Entrainment of the body temperature rhythm in rats: Effect of color and intensity of environmental light. Science, 181:956-957, 1973.
- McPhie, D.L., Lee, R.K.K., Eckman, C.B., Olstein, D.H., Durham, S.P., Yager, D., Younkin, S.G., Wurtman, R.J., and Neve, R.L. (923)
Neuronal expression of β -amyloid precursor protein Alzheimer mutations causes intracellular accumulation of a C-terminal fragment containing both the amyloid β and cytoplasmic domains. J. Biol. Chem., 272(40): 24743-24746, 1997.
- Melamed, E., Glaeser, B., Growdon, J.H., and Wurtman, R.J. (431)
Plasma tyrosine in normal humans: Effects of oral tyrosine and protein-containing meals. J. Neur. Trans., 47:299-306, 1980.
- Melamed, E., Hefti, F., Lieberman, J., Schlosberg, A.J., and Wurtman, R.J. (442)
Serotonergic neurones are not involved in action of L-dopa in Parkinson's disease. Nature, 283:772-774, 1980.
- Melamed, E., Hefti, F., Pettibone, D.J., Leibman, J., and Wurtman, R.J. (487)
Aromatic L-amino acid decarboxylase in rat corpus striatum: Implications for action of L-dopa in parkinsonism. Neurology, 31(6): 651-655, 1981.

- Melamed, E., Hefti, F., and Wurtman, R.J. (446)
L-3,4-dihydroxyphenylalanine and L-5-hydroxytryptophan decarboxylase activities in rat striatum: Effect of selective destruction of dopaminergic or serotonergic input. J. Neurochem., 34(6):1753-1756, 1980.
- Melamed, E., Hefti, F., and Wurtman, R.J. (463)
Diminished decarboxylation of L-dopa in rat striatum after intrastriatal injections of kainic acid. Neuropharmacology, 19: 409-411, 1980.
- Melamed, E., Hefti, F., and Wurtman, R.J. (464)
Tyrosine administration increases striatal dopamine release in rats with partial nigrostriatal lesions. Proc. Natl. Acad. Sci., 77(7): 4305-4309, 1980.
- Melamed, E., Hefti, F., and Wurtman, R.J. (469)
Nonaminergic striatal neurons convert exogenous L-dopa to dopamine in Parkinsonism. Annals of Neurology, 8(6):558-563, 1980.
- Melamed, E., Hefti, F., and Wurtman, R.J. (480)
Decarboxylation of exogenous L-DOPA in rat striatum after lesions of the dopaminergic neurons: The role of striatal capillaries. Brain Res., 198:244-248, 1980.
- Melamed, E., Hefti, F., and Wurtman, R.J. (499)
Compensatory mechanisms in the nigrostriatal dopaminergic system in Parkinson's disease: Studies in an animal model. Israel J. Medicinal Sci., 18:159-163, 1982.
- Melamed, E., Moskowitz, M.A., and Wurtman, R.J. (454)
Involvement of monoamines in the pathogenesis of cerebral ischemia. In: Cerebral Circulation and Neurotransmitters. (A. Bes and G. Geraud, eds.) Excerpta Medica, pp.173-182, 1980.
- Meyer, C.J., Wurtman, R.J., Altschule, M.D., and Lazo-Wasem, E.A. (8)
The arrest of prolonged estrus in "middle-aged" rats by pineal gland extract. Endocrin., 68(5):795-800, 1961.
- Millington, W.R., McCall, A.L., and Wurtman, R.J. (383)
Deanol acetamidobenzoate inhibits the blood-brain barrier transport of choline. Annals Neurol., 4(4):302-306, 1978.
- Millington, W.R., McCall, A.L., and Wurtman, R.J. (415)
Lithium and brain choline levels. New Eng. J. Med., 300:196-197, 1979.
- Millington, W.R., McCall, A.L., and Wurtman, R.J. (420)
Lithium administration potentiates the effect of exogenous choline on brain acetylcholine levels. In: Nutrition and the Brain. (A. Barbeau, J.H. Growdon, and R.J. Wurtman, eds.) Raven Press, New York, Vol. 5, pp.417-424, 1979.
- Millington, W.R., and Wurtman, R.J. (529)
Choline and physostigmine enhance haloperidol-induced HVA and DOPAC accumulation. Eur. J. Pharm., 80:431-434, 1982.

- Millington, W.R., and Wurtman, R.J. (530)
Choline administration elevates brain phosphorylcholine concentrations.
J. Neurochem., 38(6):1748-1752, 1982.
- Milner, J.D., Irie, K., and Wurtman, R.J. (680)
Effects of phenylalanine on the release of endogenous dopamine from rat striatal slices. J. Neurochem., 47(5):1444-1448, 1986.
- Milner, J.D., Reinstein, D.K., and Wurtman, R.J. (729)
Dopamine synthesis in rat striatum: Mobilization of tyrosine from non-dopaminergic cells. Experientia, 43(10):1109-1110, 1987.
- Milner, J.D., and Wurtman, R.J. (594)
Release of endogenous dopamine from electrically stimulated slices of rat striatum. Brain Res., 301:139-142, 1984.
- Milner, J.D., Wurtman, R.J. (632)
Tyrosine availability determines stimulus-evoked dopamine release from rat striatal slices. Neurosci. Letters, 59:215-220, 1985.
- Milner, J.D., and Wurtman, R.J. (664)
Commentary: Catecholamine synthesis: Physiological coupling to precursor supply. Biochem. Pharmacol., 35(6):875-881, 1986.
- Milner, J.D., and Wurtman, R.J. (694)
Tyrosine availability: A presynaptic factor controlling catecholamine release. In: Molecular Mechanisms of Neuronal Responsiveness (Y.H. Ehrlich, R.H. Lenox, E. Kornecki, and W.O. Berry, eds.) Series: Advances in Experimental Medicine and Biology. Plenum Press, New York and London, pp.211-221, 1987.
- Minneman, K.P., Lynch, H., and Wurtman, R.J. (272)
Relationship between environmental light intensity and retina-mediated suppression of rat pineal serotonin-N-acetyl-transferase. Life Sci., 15(10):1791-1796, 1974.
- Minneman, K.P., and Wurtman, R.J. (289)
Effects of pineal compounds on mammals. Life Sci., 17:1189-1200, 1975.
- Minneman, K.P., and Wurtman, R.J. (279)
The pharmacology of the pineal gland. In: Annual Review of Pharmacology and Toxicology. (H.W. Elliott, R. George, and R. Okun, eds.) Annual Reviews Inc., pp.33-51, 1976.
- Mischoulon, D., Pedrelli, P., Wurtman, J., Vangel, M., Wurtman, R. (1019)
Report of two double-blind randomized placebo-controlled pilot studies of a carbohydrate-rich nutrient mixture for treatment of seasonal affect disorder (SAD). CNS Neuroscience & Therapeutics 16:13-24, 2010.
- Moore, M.C., Hefti, F., and Wurtman, R.J. (462)
Regional tyrosine levels in rat brain after tyrosine administration. J. Neural Trans., 49:45-50, 1980.

- Moore, R.Y., Heller, A., Bhatnager, R.K., Wurtman, R.J., and Axelrod, J. (74)
Central Control of the pineal gland: Visual pathways. Arch. Neurol., 18:208-218, 1968.
- Moore, R.Y., Heller, A., Wurtman, R.J., and Axelrod, J. (62)
Visual pathway mediating pineal response to environmental light.
Science, 155(3759):220-223, 1967.
- Morre, M.C., and Wurtman, R.J. (461)
Characteristics of synaptosomal tyrosine uptake in various brain regions: Effect of other amino acids. Life Sci. 28:65-75, 1981.
- Moses, P.L., and Wurtman, R.J. (577)
The ability of certain anorexic drugs to suppress food consumption depends on the nutrient composition of the test diet. Life Sci., 35: 1297-1300, 1984.
- Moskowitz, M., Lynch, H., and Wurtman, R.J. (349)
The pineal organ. Spectrum, 21:1-6, 1978.
- Moskowitz, M.A., Meyer, E., Wurtman, R.J., Lavyne, M.H., and Zervas, N.T. (300)
Attenuation by catecholamine antagonists of the hypothermia that follows cerebral infarction in gerbils. Life Sci., 17:597-602, 1975.
- Moskowitz, M.A., Rubin, D., Liebschutz, J., Munro, H.N., Nowak, T.S., and Wurtman, R.J. (335)
The permissive role of hyperthermia in the disaggregation of brain polysomes by L-dopa or D-amphetamine. J. Neurochem., 28:779-782, 1977.
- Moskowitz, M.A., Weiss, B.F., Lytle, L.D., Munro, H.N., and Wurtman, R.J. (276)
D-amphetamine disaggregates brain polysomes via a dopaminergic mechanism. Proc. Nat. Acad. Sci., 72(3):834-836, 1975.
- Moskowitz, M.A., and Wurtman, R.J. (284)
Catecholamines and neurologic diseases. New Eng. J. Med., 293: 274-280, 332-338, 1975.
- Moskowitz, M.A., and Wurtman, R.J. (312)
Acute stroke and brain monoamines. In: Cerebrovascular Diseases. (P. Scheinberg, ed.) Raven Press, New York, pp. 153-166, 1976.
- Moskowitz, M.A., and Wurtman, R.J. (319)
Pathological states involving the pineal. In: Clinical Neuroendocrinology. (L. Martini, G. Besser, eds.) Academic Press, Inc., New York, pp. 503-526, 1977.
- Moskowitz, M.A., and Wurtman, R.J. (410)
New approaches to the study of the human pineal organ. In: Endocrine Pathology. (J.M. Bloodworth, ed.) Williams & Wilkins, Baltimore, pp.133-154, 1982.

Muller, D., Nitsch, R.M., Wurtman, R.J., and Hoyer, S. (886)

Streptozotocin increases free fatty acids and decreases phospholipids in rat brain. J. Neural Transm., 105:1271-1281, 1998.

Munro, H.N., Baliga, B.S., Nowak, Jr., T.S., Moskowitz, M.A., (372) and Wurtman, R.J.

Action of biogenic amines and related compounds on brain protein synthesis. In: Mechanisms, Regulation and Special Functions of Protein Synthesis in the Brain. (S. Roberts, A. Lajtha, and W.H. Gispen, eds.) Elsevier-North Holland, New York, pp.345-354, 1977.

Munro, H.N., Fernstrom, J.D., and Wurtman, R.J. (287)

Insulin, plasma amino acid imbalance, and hepatic coma. Lancet 305: 722-724, 1975.

Munro, H.N., Fernstrom, J.D., and Wurtman, R.J. (302)

Plasma neutral amino acids and tryptophan in cirrhosis. Lancet, 2:419, 1975.

Munro, H.N., Fernstrom, J.D., and Wurtman, R.J. (331)

Plasma amino acid imbalance and hepatic coma. In: Klinische Anasthesiologie und Intensivtherapie. (F.W. Ahnefeld, H. Bergmann, C. Burri, W. Dick, M. Halmagyi, and E. Rugheimer, eds.) Springer Verlag, Berlin, New York, pp. 103-112, 1977.

Munro, H.N., Roel, L., and Wurtman, R.J. (242)

Inhibition of brain protein synthesis by doses of L-dopa that disaggregate brain polyribosomes. J. Neur. Trans., 34:321-323, 1973.

- Neer, R.M., Davis, T.R.A., Walcott, A., Koski, S., Schepis, P., Taylor, I., Thorington, L., and Wurtman, R.J. (148) Stimulation by artificial lighting of calcium absorption in elderly human subjects. Nature, 229:255-257, 1971.
- Nitsch, R.M., Blusztajn, J.K., Doyle, F.M., Robitaille, Y., Wurtman, R.J., Growdon, J.H., and Kish, S.J. (868) Phospholipid metabolite levels are altered in cerebral cortex of patients with dominantly inherited olivopontocerebellar atrophy. Neurosci. Lett., 161:191-194, 1993.
- Nitsch, R.M., Blusztajn, J.K., Pittas, A.G., Slack, B.E., Growdon, J.H., Wurtman, R.J. (837) Evidence for a membrane defect in Alzheimer disease brain. Proc. Natl. Acad. Sci., 89:1671-1675, 1992.
- Nitsch, R.M., Deng, M., Growdon, J.H., and Wurtman, R.J. (911) Serotonin 5-HT2a and 5-HT2c receptors stimulate amyloid precursor protein ectodomain secretion. J. Biol. Chem., 271(8):4188-4194, 1996.
- Nitsch, R.M., Deng, A., Wurtman, R.J., and Growdon, J.H. (941) Metabotropic glutamate receptor subtype mGluR1 α stimulates the secretion of the amyloid β -protein precursor ectodomain. J. Neurochem., 69(2):704-712, 1997.
- Nitsch, R.M., Farber, S.A., Growdon, J.H., and Wurtman, R.J. (861) Release of amyloid β -protein precursor derivatives by electrical depolarization of rat hippocampal slices. Proc. Natl. Acad. Sci., 90:5191-5193, 1993.
- Nitsch, R.M., Growdon, J.H., Corkin, S.M., and Wurtman, R.J. (Eds.) (873) Alzheimer's Disease: Amyloid Precursor Proteins; Signal Transduction; Neuronal Transplantation. Ann. N.Y. Acad. Sci., Vol. 65, 1993.
- Nitsch, R.M., Marinescu, V., Postle, B.R., Corkin, S., and Wurtman, R.J. (901) Meeting report: Eighth meeting of the international study group on the pharmacology of memory disorders associated with aging, Zurich, Switzerland. February 17-19, 1995: The neurobiology of Alzheimer's disease. Amyloid: Int. J. Exp. Clin. Invest., 2:204-212, 1995.
- Nitsch, R., Pittas, A., Blusztajn, J.K., Slack, B.E., Growdon, J.H., and Wurtman, R.J. (845) Alterations of phospholipid metabolites in postmortem brain from patients with Alzheimer's disease. In: Aging and Alzheimer's Disease (Growdon, J., Corkin, S., Ritter-Walker, E., and Wurtman, R.J., eds.) N.Y. Acad. Sci., 640:110-113, 1991.
- Nitsch, R.M., Postle, B., Marinescu, V., and Wurtman, R.J. (910) Meeting Report. Highlights of the 8th meeting of the International Study Group on the Pharmacology of Memory Disorders Associated with Aging, held on February 1995 in Zurich, Switzerland: Biological mechanisms in the pathogenesis and cure of AD. Drug News &

Perspectives, 8(3):181-188, 1995.

Nitsch, R.M., Rebeck, G.W., Deng, M., Richardson, U.I., Tennis, M., Schenk, D.B., Vigo-Pelfrey, C., Lieberburg, I., Wurtman, R.J., Hyman, B.T., and Growdon, J.H. (889)
Cerebrospinal fluid levels of amyloid β -protein in Alzheimer's disease: Inverse correlation with severity of dementia and effect of apolipoprotein E genotype. Ann. Neurol., 37(4):512-518, 1995.

Nitsch, R.M., Slack, B.E., Farber, S.A., Borghesani, P.R., Schulz, J.G., Kim, C., Felder, C.C., Growdon, J.H., and Wurtman, R.J. (880)
Receptor-coupled amyloid precursor protein processing. In: Alzheimer's Disease, Amyloid Precursor Proteins, Signal Transduction, and Neuronal Transplantation (Nitsch, R.M., Growdon, J.H., Corkin, S., and Wurtman, R.J., eds.) Ann. N.Y. Acad. Sci., 695:122-127, 1993.

Nitsch, R.M., Slack, B.E., Farber, S.A., Deng, M., Borghesani, P.R., Wurtman, R.J., and Growdon, J.H. (888)
Modulation of APP processing by neurotransmission. In: Alzheimer's and Parkinson's Diseases (I. Hanin, A. Fisher, M. Yoshida, eds.) Plenum Publishing Corporation, NY, pp.99-103, 1995.

Nitsch, R.M., Slack, B.E., Farber, S.A., Schulz, J.G., Deng, M., Kim, C., Borghesani, P.R., Korver, W., Wurtman, R.J., and Growdon, J.H. (872)
Regulation of proteolytic processing of the amyloid β -protein precursor of Alzheimer's disease in transfected cell lines and in brain slices. In: Cell and Animal Models in Alzheimer's Disease and Aging Research (S. Hoyer, D. Muller, and K. Plaschke, eds.) J. Neural Trans., Suppl., pp.44:21-27, 1994.

Nitsch, R.M., Slack, B.E., Growdon, J.H., and Wurtman, R.J. (840)
Accelerated cell membrane degradation in Alzheimer's disease brain: Relationship to amyloid formation? In: Phospholipids and Signal Transmission (R. Massarelli, L.A. Horrocks, J.N. Kanfer, and K. Loffeholz, eds.) Springer-Verlag Berlin Heidelberg, pp.61-69, 1993.

Nitsch, R.M., Slack, B.E., Wurtman, R.J., Growdon, J.H. (850)
Release of Alzheimer amyloid precursor derivatives stimulated by activation of muscarinic acetylcholine receptors. Science, 258: 304-307, 1992.

Nitsch, R.M., Wurtman, R.J., and Growdon, J.H. (894)
Regulation of APP processing by first messengers. In: Alzheimer's Disease: Therapeutic Strategies (E. Giacobini and R. Becker, eds.) Burkhauser, Boston, pp.54-61, 1994.

Nitsch, R.M., Wurtman, R.J., Growdon, J.H. (893)
Regulation of proteolytic processing of the amyloid β -protein precursor by first messengers: A novel approach for the treatment of

Alzheimer's disease. Drug Res., 45(1) 435-438, 1995.

Nitsch, R.M., Wurtman, R.J., and Growdon, J.H. (846)
Regulation of post-translational APP processing by cell surface receptors. In: Research Advances in Alzheimer's Disease and Related Disorders (K. Iqbal, J.A. Mortimer, B. Winblad, and H.M. Wisniewski, eds.) John Wiley & Sons, pp.669-674, 1995.

Nitsch, R.M., Wurtman, R.J., and Growdon, J.H. (908)
Regulation of APP processing potential for the therapeutical reduction of brain amyloid burden. In: The Neurobiology of Alzheimer's Disease (R.J. Wurtman, S. Corkin, J.H. Growdon, and R.M. Nitsch, eds.) Presented at the 8th Zurich Meeting of the International Study Group on the Pharmacology of Memory Disorders Associated with Aging, Zurich, Switzerland, February 17-19, 1996, Annals New York Acad. Sci., 777: 175-182, 1996.

Noble, E.P., Wurtman, R.J., and Axelrod, J. (64)
A simple and rapid method for injecting H^3 -norepinephrine into the lateral ventricle of the rat brain. Life Sci., 6:281-291, 1967.

Nomura, M., Colmenares, J.L., and Wurtman, R.J. (343)
Effect of dietary protein on urinary 5-hydroxyindoleacetic acid levels. J. Neurochem., 29:267-271, 1977.

Oishi, T., and Wurtman, R.J. (525)
Effect of tyrosine on brain catecholamine turnover in reserpine-treated rats. J. Neural Trans., 53:101-108, 1982.

Ordonez, L.A., Arbrus, M., Boyson, S., Goodman, M.N., Ruderman, N.B., and Wurtman, R.J. (216)
Skeletal muscle: Reservoir for exogenous L-dopa. J. Pharmacol. Exp. Ther., 190(1):187-191, 1974.

Ordonez, L.A., and Wurtman, R.J. (191)
Methylation of exogenous 3,4-dihydroxyphenylalanine (L-dopa)-effects on methyl group metabolism. Biochem. Pharmacol., 191:134-137, 1973.

Ordonez, L.A., and Wurtman, R.J. (226)
Enzymes catalyzing the de novo synthesis of methyl groups in the brain and other tissues of the rat. J. Neurochem., 21:1447-1455, 1973.

Ordonez, L.A., and Wurtman, R.J. (239)
Folic acid deficiency and methyl group metabolism in rat brain: Effects of L-dopa. Arch. Biochem. Biophys., 160:372-376, 1974.

Orme, S.K., Wells, S.A., Rabson, A.S., and Wurtman, R.J. (73)
In vitro neoplastic transformation of hamster pineal cells by three oncogenic DNA viruses. Cancer, 21(3):477-482, 1968.

O'Rourke, D., Wurtman, J., Brzezinski, A., Abou-Nadar, T., Marchant, P., and Wurtman, R.J. (650)
Treatment of seasonal affective disorder with d-fenfluramine. In: Human Obesity (R.J. Wurtman and J.J. Wurtman, eds.) New York Academy of Sciences, Vol. 499:329-330, 1987.

- O'Rourke, D., Wurtman, J.J., and Wurtman, R.J. (731)
 Serotonin implicated in the etiology of seasonal affective disorder with carbohydrate craving. In: The Psychobiology of Bulimia Nervosa (K.M. Pirke, W. Vandereycken, and D. Ploog, eds.) Springer-Verlag, Heidelberg, pp.13-17, 1988.
- O'Rourke, D., Wurtman, J.J., Wurtman, R.J., Chebli, R., and Gleason, R. (751)
 Treatment of seasonal depression with d-fenfluramine. J. Clin. Psychiatry, 50(9):343-347, 1989.
- O'Rourke, D.A., Wurtman, J.J., Wurtman, R.J., Tsay, R., Gleason, R., Baer, L., and Jenike, M.A. (839)
 Aberrant snacking patterns and eating disorders in patients with obsessive compulsive disorder. J. Clin. Psychiat., 55(10):445-447, 1994.
- Ozaki, Y., Lynch, H.J., and Wurtman, R.J. (298)
 Melatonin in rat pineal, plasma, and urine: 24-hour rhythmicity and effect of chlorpromazine. Endocrin., 98(6):1418-1424, 1976.
- Ozaki, Y., and Wurtman, R.J. (391)
 Spectral power distribution of light sources affects growth and development of rats. Photochem. Photobiol., 29:339-341, 1979.
- Ozaki, Y., Wurtman, R.J., Alonso, R., and Lynch, H.J. (369)
 Melatonin secretion decreases during the proestrous stage of the rat estrous cycle. Proc. Natl. Acad. Sci., 75(1):531-534, 1978.
- Petryniak, M.A., Wurtman, R.J., and Slack, B.E. (917)
 Elevated intracellular calcium concentration increases secretory processing of the amyloid precursor protein by a tyrosine phosphorylation-dependent mechanism. Biochem. J., 320:957-963, 1996.
- Pettibone, D.J., and Wurtman, R.J. (432)
 D-amphetamine reduces striatal substance P concentrations by presynaptic release of dopamine. Brain Res., 186:409-419, 1980.
- Pettibone, D.J., Wurtman, R.J., and Leeman, S.E. (367)
 D-amphetamine administration reduces Substance P concentration in the rat striatum. Biochem. Pharmacol., 27:839-842, 1978.
- Pettibone, D.J., Wurtman, R.J., and Leeman, S.E. (394)
 d-amphetamine administration reduces Substance P concentration in the rat striatum. Psychopharmacology Bulletin, 14:24-26, 1978.
- Pettibone, D.J., Wurtman, R.J., and Leeman, S.E. (483)
 Striatal substance P-like immunoreactivity: Characterization by high-performance liquid chromatography and aspects of subcellular distribution and in vitro release by potassium. Life Sci., 27(17):1593-1602, 1980.
- Piezzi, R.S., Larin, F., and Wurtman, R.J. (138)
 Serotonin, 5-hydroxyindoleacetic acid (5-HIAA), and monoamine oxidase in the bovine median eminence and pituitary gland. Endocrin., 86(6):1460-1462, 1970.

- Piezzi, R.S., and Wurtman, R.J. (150)
 Pituitary serotonin content: Effects of melatonin or deprivation of water. Science, 169:285-286, 1970.
- Pohorecky, L.A., Baliga, B.S., Wurtman, R.J., and Bartter, F.C. (197)
 Adrenocortical Control of catecholamine metabolism in the dog adrenal medulla: Relationship to protein synthesis. Endocrin., 93(3):566-574, 1973.
- Pohorecky, L.A., Larin, F., and Wurtman, R.J. (129)
 Mechanisms of changes in brain norepinephrine levels following olfactory bulb lesions. Life Sci., 8(I):1309-1317, 1969.
- Pohorecky, L.A., Piezzi, R.S., and Wurtman, R.J. (140)
 Steroid induction of phenylethanolamine-N-methyl transferase in adrenomedullary explants: Independence of adrenal innervation. Endocrin., 86(6):1466-1468, 1970.
- Pohorecky, L.A., Stamm, W.E., and Wurtman, R.J. (112)
 Effects of lighting on epinephrine synthesis in the rat. J. Neuro-Visceral Relations, 31:275-279, 1969.
- Pohorecky, L.A., and Wurtman, R.J. (95)
 Induction of epinephrine-forming enzyme by glucocorticoids: Steroid hydroxylation and inductive effect. Nature, 219(5152):392-394, 1968.
- Pohorecky, L.A., and Wurtman, R.J. (151)
 Adrenocortical control of epinephrine synthesis. Pharmacol. Rev., 23(1):1-35, 1971.
- Pohorecky, L.A., Wurtman, R.J., Taam, D., and Fine, J. (185)
 Effects of endotoxin on monoamine metabolism in the rat. Proc. Soc. Exp. Biol. Med., 140:739-746, 1972.
- Pohorecky, L.A., Zigmond, M.J., Heimer, L., and Wurtman, R.J. (108)
 Olfactory bulb removal: effects on brain norepinephrine. Proc. Nat. Acad. Sci., 62(4):1052-1055, 1969.
- Pohorecky, L.A., Zigmond, M., Karten, H., and Wurtman, R.J. (99)
 Enzymatic conversion of norepinephrine to epinephrine by the brain. J. Pharmacol. Exp. Ther., 165(2):190-195, 1969.
- Pooler, A.M., Arjona, A.A., Lee, R.K., and Wurtman, R.J. (984)
 Prostaglandin E₂ regulates amyloid precursor protein expression via the EP2 receptor in cultured rat microglia. Neurosci Letters 362:127-130, 2004.
- Pooler, A.M., Guez, D.H., Benedictus, R., and Wurtman, R.J. (1009)
 Uridine enhances neurite outgrowth in NGF-differentiated PC12 cells. Neurosci. 134: 207-214, 2005.
- Pooler, A.M., Xi, S.C., Wurtman, R.J. (998)
 The 3-hydroxy-3-methylglutaryl co-enzyme A reductase inhibitor pravastatin enhances neurite outgrowth in hippocampal neurons. J. Neurochem. 716-723,

2006.

- Reinhard, J.F., and Wurtman, R.J. (373)
Relation between brain 5-HIAA levels and the release of serotonin
into brain synapses. Life Sci., 21:1741-1746, 1977.
- Reinstein, D.K., DeBoissiere, T., Robinson, N., and (553)
Wurtman, R.J.
Radial maze performance in three strains of mice: Role of the
fimbria/fornix. Brain Res. 263:172-176, 1983.
- Reinstein, D.K., Lehnert, H., and Wurtman, R.J. (648)
Dietary tyrosine suppresses the rise in plasma corticosterone
following acute stress in rats. Life Sci., 37:2157-2163, 1985.
- Reinstein, D.K., Lehnert, H., Scott, N.A., and Wurtman, R.J. (593)
Tyrosine prevents behavioral and neurochemical correlates of an acute
stress in rats. Life Sci., 34:2225-2232, 1984.
- Reis, D.J., and Wurtman, R.J. (78)
Diurnal changes in brain noradrenalin. Life Sci., 7:91-98, 1968.
- Ribeiro, E.B., Bettiker, R.L., Bogdanov, M., and Wurtman, R.J. (862)
Effects of systemic nicotine on serotonin release in rat brain.
Brain Res., 621:311-318, 1993.
- Richardson, U.I., Watkins, C.J., Pierre, C., Ulus, I.H., and (992)
Wurtman, R.J.
Stimulation of CDP-choline synthesis by uridine or cytidine in PC12
rat pheochromocytoma cells Brain Research, 971(2):161-167, 2003.
- Richardson, U.I., and Wurtman, R.J. (848)
Base-exchange and cell growth in 3T6 mouse fibroblasts. Biochimica
et Biophysica Acta, 1127:99-102, 1992.
- Richardson, U.I., and Wurtman, R.J. (1027)
Polyunsaturated fatty acids stimulate phosphatidylcholine synthesis
in PC12 cells. Biochem Biophys Acta, 1771(4):558-563, 2007.
- Rivest, R.W., Lynch, H.J., Ronsheim, P.M., and Wurtman, R.J. (527)
Effect of light intensity on regulation of melatonin secretion and
drinking behavior in the albino rat. Adv. Biosci., 29:119-121, 1981.
- Rivest, R.W., and Wurtman, R.J. (478)
New trends and perspectives in melatonin research. In: Advances
in the Biosciences. (N. Birau and W. Schloot, eds.) Pergamon Press
Oxford, New York, Vol. 29, pp.89-93, 1980.
- Rivest, R.W., and Wurtman, R.J. (556)
Relationship between light intensity and the melatonin and drinking
rhythms of rats. Neuroendocrinology, 37:155-160, 1983.
- Roel, L.E., Levine, P., Rubin, D., Markovitz, D., Munro, H.N., (361)
and Wurtman, R.J.

Effect of L-dopa pretreatment on in vivo protein synthesis in various rat brain regions. Life Sci., 22(21):1887-1892, 1978.

Roel, L.E., Moskowitz, M.A., Rubin, D., Markovitz, D., Lytle, L.D., Munro, H.N., and Wurtman, R.J. (362)

In vivo inhibition of rat brain protein synthesis by d-amphetamine. J. Neurochem., 31:341-345, 1978.

Roel, L.E., Schwartz, S.A., Weiss, B.F., Munro, H.N., and Wurtman, R.J. (246)

In vivo inhibition of rat brain protein synthesis by L-dopa. J. Neurochem., 23:233-239, 1974.

Romero, J.A., Chalmers, J.P., Cottman, K., Lytle, L.D., and Wurtman, R.J. (167)

Regional effects of L-dihydroxyphenylalanine (L-dopa) on norepinephrine metabolism in rat brain. J. Pharm. Exp. Ther., 180(2):277-285, 1972.

Romero, J.A., Lytle, L.D., Ordonez, L.A., and Wurtman, R.J. (183)

Effects of L-Dopa administration on the concentrations of dopa, dopamine and norepinephrine in various rat tissues. J. Pharm. Exp. Ther., 184(1):67-72, 1973.

Rose, C.M., Wurtman, R.J. (134)

Daily rhythms in content and utilization of tyrosine in the whole mouse. Nature, 226(5244):454-455, 1970.

Ross, D.S., Fernstrom, J.D., and Wurtman, R.J. (200)

The role of dietary protein in generating daily rhythms in rat liver tryptophan pyrrolase and tyrosine transaminase. Metabolism, 22(9):1175-1184, 1973.

Roth, W.D., Wurtman, R.J., and Altschule, M.D. (9)

Morphologic changes in the pineal parenchyma cells of rats exposed to continuous light or darkness. Endocrin., 71(6):888-892, 1962.

Rubin, R.A., Ordonez, L.A., and Wurtman, R.J. (247)

Physiological dependence of brain methionine and s-adenosylmethionine concentrations on serum amino acid pattern. J. Neurochem., 23:227-231, 1974.

Sahakian, B.J., Growdon, J.H., Millington, W.R., Barr, J.K., And Wurtman, R.J. (396)

The effects of cholinergic agonists on apomorphine-induced stereotyped behavior in the rat. Commun. Psychopharm., 2:255-262, 1978.

Sahakian, B.J., Growdon, J.H., Millington, W.R., Barr, J.K., and Wurtman, R.J. (413)

An animal model of pharmacological therapy for tardive dyskinesia using cholinergic drugs. In: Catecholamines: Basic and Clinical Frontiers. (E. Usdin, I.J. Kopin, and J. Barchas, eds.) Pergamon, New York, pp.1614-1616, 1979.

Sahakian, B.J., Wurtman, R.J., Barr, J.K., Millington, W.R., and Chiel, H.J. (425)

Low tryptophan diet decreases brain serotonin and alters response to apomorphine. Nature, 279(5715):731-732, 1979.

Sakamoto, T., Cansev, M., Wurtman, R.J. (1029)
Oral Supplementation with Docosahexanoic Acid and Uridine 5'-Monophosphate Increases Dendritic Spine Density in Adult Gerbil Hippocampus. Brain Res. 1182, 50-59, 2007.

Sandmann, J., Peralta, E.G., and Wurtman, R.J. (826)
Coupling of transfected muscarinic acetylcholine receptor subtypes to phospholipase D. J. Biol. Chem., 266(10):6031-6034, 1991.

Sandmann, J., and Wurtman, R.J. (760)
Phospholipase D and Phospholipase C in human cholinergic neuroblastoma (LA-N-2) cells: Modulation by muscarinic agonists and protein kinase C. In: Biology and Medicine of Signal Transduction (Y. Nishizuka, M. Endo, and C. Tanaka, eds.) Raven Press, NY, pp.176-181, 1990.

Sandmann, J., and Wurtman, R.J. (809)
Stimulation of phospholipase D activity in human neuroblastoma (LA-N-2) cells by activation of muscarinic acetylcholine receptors or by phorbol esters: relationship to phosphoinositide turnover. J. Neurochem., 56(4):1312-1319, 1991.

Sarkissian, C.F., Wurtman, R.J., Morse, A.N., and Gleason, R. (803)
Effects of fluoxetine or D-fenfluramine on serotonin release from, and levels in, rat frontal cortex. Brain Res., 529:294-301, 1990.

Savci, V., and Wurtman, R.J. (884)
Effect of cytidine on membrane phospholipid synthesis in rat striatal slices. J. Neurochem., 64(1):378-384, 1995.

Sayegh, R., Schiff, I., Wurtman, J., Spiers, P., McDermott, J., and Wurtman, R.J. (909)
The effect of a carbohydrate-rich beverage on mood, appetite, and cognitive function in women with premenstrual syndrome. Obstet. Gynecol., 86(4):520-528, 1995.

Scally, M.C., Ulus, I.H., and Wurtman, R.J. (374)
Choline administration to the rat increases urinary catecholamines. J. Neur. Trans., 43:103-112-1978.

Scally, M.C., Ulus, I.H., Wurtman, R.J., and Pettibone, D.J. (350)
Regional distribution of neurotransmitter-synthesizing enzymes and Substance P within the rat corpus striatum. Brain Res., 143:556-560, 1978.

Scally, M.C., and Wurtman, R.J. (333)
Brain tyrosine level controls striatal dopamine synthesis in haloperidol-treated rats. J. Neural Trans., 41:1-6, 1977.

Schaechter, J.D., Laferrere, B., and Wurtman, R.J. (784)
Effect of chronic D-fenfluramine administration on rat brain serotonin levels and release. In: Serotonin: From Cell Biology to Pharmacology and Therapeutics (R. Paoletti, ed.) Kluwer Academic

Publishers, London, pp.609-613, 1990.

Schaechter, J.D., and Wurtman, R.J. (772)

Tryptophan availability modulates serotonin release from rat hypothalamic slices. J. Neurochem., 53(6):1925-1933, 1989.

Schaechter, J.D., and Wurtman, R.J. (777)

Effect of chronic D-fenfluramine administration on rat hypothalamic serotonin levels and release. Life Sci., 44:265-271, 1989.

Schaechter, J.D., and Wurtman, R.J. (790)

Serotonin release varies with brain tryptophan levels. Brain. Res., 532:203-210, 1990.

Scheltens, P., Kamphuis, PJGH, Verhey, FRJ, Olde Rikkert, (1041)

M., Wurtman, R.J.,

Wilkinson, D., Twisk, JWA, Kurz, A. [NIH, CBSMCT]

The efficacy of a medical food in early Alzheimer's disease: a randomized controlled trial. Alzheimer's and Dementia 6:1-10, 2010.

Scott, N.A., DeSilva, R.A., Lown, B., and Wurtman, R.J. (488)

Tyrosine administration decreases vulnerability to ventricular fibrillation in the normal canine heart. Science, 211:727-729, 1981.

Scriabine, A., Ludden, C.T., Stone, C.A., Wurtman, R.J., and (315)
Watkins, C.J.

Enhancement of the anti-hypertensive effect of methyldopa and other anti-hypertensive drugs by carbidopa in spontaneously hypertensive rats. Clin. Sci. and Molec. Med., 51:407s-410s, 1976.

Scriabine, A., Ludden, C.T., Sweet, C.S., Porter, C.C., (403)

Ulm, E.H., Stone, C.A., Watkins, C.J., Wurtman, R.J., and Cronin, B.L.

Antihypertensive activity of metyrosine in spontaneously hypertensive rats and its enhancement by carbidopa. Clin. Sci. Molec. Med., 55: 255s-257s, 1978.

Shein, H.M. Larin, F., and Wurtman, R.J. (128)

Lack of a direct effect of morphine on the synthesis of pineal ¹⁴C-indoles in organ culture. Life Sci., 9(I):29-33, 1970.

Shein, H.M., Wilson, S., Larin, F., and Wurtman, R.J. (161)

Stimulation of [14C]Serotonin synthesis from [14C]tryptophan by mescaline in rat pineal organ cultures. Life Sci., 10:273-282, 1971.

Shein, H.M., and Wurtman, R.J. (133)

Cyclic adenosine monophosphate: Stimulation of melatonin and serotonin synthesis in cultured rat pineals. Science, 166: 519-520, 1969.

Shein, H.M., and Wurtman, R.J. (169)

Stimulation of [14C]tryptophan 5-hydroxylation by norepinephrine and dibutyryl adenosine 3',5'-monophosphate in rat pineal organ cultures. Life Sci., 10(1):935-940, 1971.

- Shein, H.M., Wurtman, R.J., and Axelrod, J. (60)
Synthesis of serotonin by pineal glands of the rat in organ culture.
Nature, 213(5077):730-731, 1967.
- Shoemaker, W.J., and Wurtman, R.J. (158)
Perinatal undernutrition: Accumulation of catecholamines in rat brain.
Science, 171:1017-1019, 1971.
- Shoemaker, W.J., and Wurtman, R.J. (192)
Effect of perinatal undernutrition on the metabolism of catecholamines in the rat brain. J. Nutrition, 103(11):1537-1547, 1973.
- Slack, B.E., Breu, J., Livneh, E., Eldar, H., and Wurtman, R.J. (867)
Phorbol ester stimulates choline uptake in Swiss 3T3 fibroblasts following introduction of the gene encoding protein kinase C α . Biochem. J., 305:621-626, 1995.
- Slack, B.E., Breu, J., Muchnicki, L., and Wurtman, R.J. (942)
Rapid stimulation of amyloid precursor protein release by epidermal growth factor: Role of protein kinase C. Biochem. J., 327:245-249, 1997.
- Slack, B.E., Breu, J., Petryniak, M.A., Srivastava, K., and Wurtman, R.J. (900)
Tyrosine phosphorylation-dependent stimulation of amyloid precursor protein secretion by the m3 muscarinic acetylcholine receptor. J. Biol. Chem., 270(14):8337-8344, 1995.
- Slack, B.E., Corkin, S., Growdon, J.H., and Wurtman, R.J. (824)
Pharmacology of memory disorders associated with aging, (Meeting Report). Drug News and Perspectives, 4(4):236-240, 1991.
- Slack, B.E., Liscovitch, M., Blusztajn, and Wurtman, R.J. (746)
Uptake of exogenous phosphatidylserine by human neuroblastoma cells stimulates the incorporation of [$methyl-^{14}C$]Choline into phosphatidylcholine. J. Neurochem., 53(2) 472-481, 1989.
- Slack, B.E., Nitsch, R.M., Livneh, E., Kunz, G.M., Breu, J., Eldar, H., and Wurtman, R.J. (843)
Regulation by phorbol esters of amyloid precursor protein release from Swiss 3T3 fibroblasts overexpressing protein kinase C α . J. Biol. Chem., 268(28):21097-21101, 1993.
- Slack, B.E., Nitsch, R.M., Livneh, E., Kunz, G.M., Eldar, H., and Wurtman, R.J. (881)
Regulation of amyloid precursor protein release by protein kinase C in Swiss 3T3 fibroblasts. In: Alzheimer's Disease, Amyloid Precursor Proteins, Signal Transduction, and Neuronal Transplantation (Nitsch, R.M., Growdon, J.H., Corkin, S., and Wurtman, R.J., eds.) Ann. N.Y. Acad. Sci., 695:128-131, 1993.
- Slack, B.E., Richardson, U.I., Nitsch, R.M., and Wurtman, R.J. (793)
Dioctanoylglycerol stimulates accumulation of [$methyl-^{14}C$]choline and its incorporation into acetylcholine and phosphatidylcholine in a human cholinergic neuroblastoma cell line. Brain Res., 585: 169-176, 1992.

Slack, B.E., Ulus, I.H., and Wurtman, R.J. (764)

Experimental manipulation of phospholipid content in neuronal cell membranes. In: Neurochemical Aspects of Phospholipid Metabolism (L. Freysz, J.N. Hawthorne, and G. Toffano, eds.) Liviana Press, Springer Verlag, Fida Research Series, Vol. 20, pp. 233-239, 1989.

Slack, B.E., Breu, J., and Wurtman, R.J. (821)

Production of diacylglycerol by exogenous phospholipase C stimulates CTP:Phosphocholine cytidylyltransferase activity and phosphatidylcholine synthesis in human neuroblastoma cells. J. Biochem. Chem., 266(36):24503-24508, 1991.

Slack, B.E., Wurtman, R.J. (1018)

Regulation of synthesis and metabolism of the amyloid precursor protein by extracellular signals. Research Progress in Alzheimer's Disease and Dementia ed., by Sun, M-K., Nova Publishers, NY Vol. 2, pp. 1-25, 2007.

Small, D.H., and Wurtman, R.J. (565)

Serotonin binds specifically and saturably to an actin-like protein isolated from rat brain synaptosomes. Proc. Natl. Acad. Sci. 81: 959-963, 1984.

Small, D.H., and Wurtman, R.J. (610)

Binding of [³H]Serotonin to skeletal muscle actin. J. Neurochem., 45(3):819-824, 1985.

Small, D.H., and Wurtman, R.J. (630)

Association of serotonin, dopamine, or noradrenaline with an actin-like component in pheochromocytoma (PC12) cells. J. Neurochem., 45(3):825-831, 1985.

Snyder, S.H., Axelrod, J., Fischer, J.E., and Wurtman, R.J. (26)

Neural and photic regulation of 5-hydroxytryptophan decarboxylase in the rat pineal gland. Nature, 203(4948) 981-982, 1964.

Snyder, S.H., Axelrod, J., and Wurtman, R.J. (47)

Effect of gonadal hormones on aromatic amino acid decarboxylase in the rat uterus. Endocrin., 78(6):1135-1138, 1966.

Snyder, S.H., Axelrod, J., Wurtman, R.J., and Fischer, J.E. (38)

Control of 5-hydroxytryptophan decarboxylase activity in the rat pineal gland by sympathetic nerves. J. Pharmacol. Exp. Ther., 147(3):371-375, 1965.

Snyder, S.H., Wurtman, R.J., Axelrod, J., and Chu, E.W. (32)

The physiological disposition of C¹⁴-serotonin in the rat uterus. J. Pharm. Exp. Ther., 146(3):276-279, 1964.

Sole, M.J., Lo, C-M, Laird, C.W., Sonnenblick, E.H., and Wurtman, R.J. (290)

Norepinephrine turnover in the heart and spleen of the cardiomyopathic Syrian hamster. Circ. Res., 37:855-862, 1975.

- Sole, M.J., Wurtman, R.J., Lo, C.-M., Kamble, A.B., and Sonnenblick, E.H. (308)
 Tyrosine hydroxylase activity in the heart of the cardiomyopathic Syrian hamster. J. Molec. Cell. Card., 9:225-233, 1977.
- Spedding, M., Ouvry, C., Millan, M., Duault, J., Dacquet, C., and Wurtman, R.J. (930)
 Neural control of dieting. Nature, 380:488, 1996.
- Spiers, P.A., Myers, D., Hochanadel, G.S., Lieberman, H.R., and Wurtman, R.J. (879)
 Citicoline improves verbal memory in aging. Arch. Neurol., 53:441-448, 1996.
- Spiers, P., Schomer, D., Sabounjian L., Lieberman, H., Wurtman, R.J., Duguid, J., McCarten, R., and Lyden, M. (755)
 Aspartame and human behavior: Cognitive and behavioral observations. In: Dietary Phenylalanine and Brain Function (R.J. Wurtman, ed.) Boston/Basel: Birkhauser, pp.169-178, 1988.
- Spindel, E., Arnold, M., Cusack, B., and Wurtman, R.J. (451)
 Effects of caffeine on anterior pituitary and thyroid function in the rat. J. Pharm. Exp. Ther., 214(1):58-62, 1980.
- Spindel, E., Arnold, M., Cusack, B., and Wurtman, R.J. (545)
 Effects of caffeine on anterior pituitary and thyroid function in the rat. ASIC 9th Colloque, Londres, pp.413-426, 1980.
- Spindel, E., Fisher, L., Fernstrom, J., and Wurtman, R.J. (501)
 Characterization of neuropeptides by reversed-phase, ion-pair liquid chromatography with post-column detection by radioimmunoassay: Application to thyrotropin-releasing hormone, substance P, and vasopressin. J. Chromatog. Biomed. Applic., 222:381-387, 1981.
- Spindel, E., Griffith, L., and Wurtman, R.J. (549)
 Neuroendocrine effects of caffeine. II. Effects on thyrotropin and corticosterone secretion. J. Pharmacol. Exp. Ther., 225:346-350, 1983.
- Spindel, E.R., Lakher, M., and Wurtman, R.J. (496)
 Formation and degradation of deamido-TRH (pyroglutamyl-histidyl-proline) in rat brain after intraventricular injection of TRH. Brain Res., 216:343-350, 1981.
- Spindel, E.R., Pettibone, D.J., and Wurtman, R.J. (502)
 Thyrotropin-releasing hormone (TRH) content of rat striatum: Modification by drugs and lesions. Brain Res., 216:323-331, 1981.
- Spindel, E., and Wurtman, R.J. (422)
 Reversed-phase, ion-pair separation of thyrotropin-releasing hormone and some analogs. J. Chromatography, 175:198-201, 1979.
- Spindel, E., and Wurtman, R.J. (468)
 TRH immunoreactivity in rat brain regions, spinal cord and pancreas: Validation by high-pressure liquid chromatography and thin-layer chromatography. Brain Res., 201:279-288, 1980.

- Spindel, E.G., and Wurtman, R.J. (579)
Neuroendocrine effects of caffeine in rat and man. In: Caffeine: Perspectives on Current Research (P.B. Dews, ed.) Springer-Verlag, pp.119-128, 1984.
- Spindel, E.R., Wurtman, R.J., and Bird, E.D. (471)
Increased TRH content of the basal ganglia in Huntington's disease. New Eng. J. Med., 303:1235-1236, 1980.
- Spindel, E.R., Wurtman, R.J., McCall, A., Carr, D.B., Conlay, L., Griffith, L., and Arnold, M.A. (578)
Neuroendocrine effects of caffeine in normal subjects. Clin. Pharm. Therap., 36(3):402-407, 1984.
- Spring, B., Wurtman, J., Gleason, R., Kessler, K., and Wurtman, R.J. (797)
Weight gain and withdrawal symptoms after smoking cessation: A preventive intervention using d-fenfluramine. Health Psychol., 10(3):216-223, 1991.
- Spring, B., Wurtman, J., Wurtman, R., El-Khoury, A., Goldberg, McDermott, J., and Pingitore, R. (912)
Efficacies of dexfenfluramine and fluoxetine in preventing weight gain after smoking cessation. Am. J. Clin. Nutr., 62:1181-1187, 1995.
- Stoll, A.L., Renshaw, P.F., De Micheli, E., Wurtman, R.J., Pillay, S.S., and Cohen, B.M. (874)
Choline ingestion increases the resonance of choline-containing compounds in human brain: An in vivo proton magnetic resonance study. Biol. Psychiatry, 37:170-174, 1995.
- Sturner, W.A., Lynch, H.J., Deng, M.H., Gleason, R.E., and Wurtman, R.J. (781)
Melatonin concentrations in the sudden infant death syndrome. Forensic Sci. Internat., 45:171-180, 1990.
- Sved, A.F., Fernstrom, J.D., and Wurtman, R.J. (426)
Tyrosine administration reduces blood pressure and enhances brain norepinephrine release in spontaneously hypertensive rats. Proc. Natl. Acad. Sci., 76(7):3511-3514, 1979.
- Sved, A.F., Fernstrom, J.D., and Wurtman, R.J. (439)
Tyrosine administration decreases serum prolactin levels in chronically reserpinated rats. Life Sci., 25(15):1293-1299, 1979.
- Tacconi, M.T., and Wurtman, R.J. (584)
Physiological disposition of oral piracetam in Sprague-Dawley rats. J. Pharm. Pharmacol., 36:659-662, 1984.
- Tacconi, M.T., and Wurtman, R.J. (631)
Rat brain phosphatidyl-N,N-dimethylethanamine is rich in polyunsaturated fatty acids. J. Neurochem., 45(3):805-809, 1985.

- Tacconi, M.T., and Wurtman, R.J. (633)
 Phosphatidylcholine produced in rat synaptosomes by N-methylation
 is enriched in polyunsaturated fatty acids. Proc. Natl. Acad. Sci.,
82:4828-4831, 1985.
- Tacconi, M.T., and Wurtman, R.J. (583)
 Piracetam: Physiological disposition and mechanism of action.
In: Advances in Neurology. (S. Fahn, et al., eds.) Raven Press, NY,
 Vol. 43: Myoclonus, pp. 675-685, 1986.
- Teather, L.A., Lee, R., and Wurtman, R.J. (971)
 Platelet-activating factor increases prostaglandin E₂ release from
 astrocyte-enriched cortical cell cultures. Brain Res. 946(1)87-95,
 2002.
- Teather, L.A., Magnusson, J.E., and Wurtman, R.J. (990)
 Platelet-activating factor antagonists decrease the inflammatory
 nociceptive response in rats. Psychopharmacology 163:430-433, 2002.
- Teather, L.A., Magnusson, J.E., Chow, C.M., and Wurtman, R.J. (991)
 Environmental conditions influence hippocampal-dependent behaviors
 and brain levels of amyloid precursor protein. Eur. J. Neurosci.
16:2405-2415, 2002.
- Teather, L.A., Ulus, I., and Wurtman, R.J. (995)
 Dietary CDP-choline supplementation prevents memory impairment
 caused by impoverished environmental conditions in rats. Learning
and Memory 12: 39-43, 2005.
- Teather, L.A., and Wurtman, R.J. (996)
 Dietary cytidine (5')-diphosphocholine supplementation protects
 against development of memory deficits in aging rats. Progress in
Neuro-Psychopharm. & Biological Psychiatry 27:711-717, 2003.
- Teather, L.A., Wurtman, R.J. (1017)
 Chronic administration of UMP ameliorates the impairment of
 hippocampal-dependent memory in impoverished rats. J. Nutr.
136:2834-2837, 2006.
- Teather, L.A. and Wurtman, R.J. [NIMH, CBSMCT] (1021)
 Intracellular Platelet-activating factor-induces the release
 of prostaglandin E₂ by activating ERK1/2 in cortical astrocytes.
NeuroReport in prep, 2010.
- Teather, L.A., and Wurtman, R.J. (1000)
 Cyclooxygenase-2 mediates platelet-activating factor-induced
 Prostaglandin E₂ release from rat primary astrocytes. Neuroscience
Letters 340:177-180, 2003.
- Teather, L.A., Afonso, V.M., and Wurtman, R.J. (1007)
 Inhibition of platelet-activating factor receptors in plasma
 membranes attenuates the inflammatory nociceptive response in rats.
Brain Research 1097:230-233, 2006.

- Teather, L.A. and Wurtman, R.J. [NIMH, CBSMCT] (1008)
 Platelet-activating factor affects nociception in rats at cerebral sites of action. Molecular Pain (submitted), 2008.
- Theall, C.L., Wurtman, J.J., and Wurtman, R.J. (590)
 Self-selection and regulation of protein: Carbohydrate ratio in foods adult rats eat. J. Nutr., 114:711-718, 1984.
- Thoa, N.B., Wurtman, R.J., and Axelrod, J. (43)
 A deficient binding mechanism for norepinephrine in hearts of scorbatic guinea pigs. (30754) Proc. Soc. Exp. Bio. Med., 121: 267-270, 1966.
- Torii, K., Takasaki, Y., Iwata, S., and Wurtman, R.M. (449)
 Changes in blood osmolarity, electrolytes, and metabolites among adult rats treated with a neurotoxic dose of MSG. Life Sci., 28: 2855-2864, 1981.
- Ulus, I.H., Buyukuslu, R.L., and Wurtman, R.J. (838)
 N-methyl-d-aspartate increases acetylcholine release from rat striatum and cortex: Its effect is augmented by choline. J. Pharm. Exp. Therap., 261(3):1122-1128, 1992.
- Ulus, I.H., Hirsch, M.J., and Wurtman, R.J. (330)
 Trans-synaptic induction of adrenomedullary tyrosine hydroxylase activity by choline: Evidence that choline administration can increase cholinergic transmission. Proc. Natl. Acad. Sci., 74(2):798-800, 1977.
- Ulus, I.H., Maher, T.J., and Wurtman, R.J. (967)
 Characterization of phentermine and related compounds as monoamine oxidase (MAO) inhibitors. Biochem. Pharm., 59:1611-1621, 2000.
- Ulus, I.H., Meyer, Jr., E., Wurtman, R.J., and Lytle, L.D. (352)
 Trans-synaptic induction of adrenal tyrosine hydroxylase following amphetamine treatment in the rat. Neuropharmacology, 16:635-637, 1977.
- Ulus, I.H., Scally, M.C., and Wurtman, R.J. (348)
 Choline potentiates the trans-synaptic induction of adrenal tyrosine hydroxylase by reserpine, probably by enhancing the release of acetylcholine. Life Sci., 21:145-148, 1977.
- Ulus, I.H., Scally, M.C., and Wurtman, R.J. (366)
 Enhancement by choline of the induction of adrenal tyrosine hydroxylase by phenoxybenzamine, 6-hydroxydopamine, insulin or exposure to cold. J. Pharmacol. Exp. Ther., 204(3):676-682, 1978.
- Ulus, I.H., and Wurtman, R.J. (320)
 Choline Administration: Activation of tyrosine hydroxylase in dopaminergic neurons of rat brain. Science, 194:1060-1061, 1976.
- Ulus, I.H., and Wurtman, R.J. (407)
 Selective response of rat peripheral sympathetic nervous system to various stimuli. J. Physiol., 293:513-523, 1979.

- Ulus, I.H., and Wurtman, R.J. (727)
Choline increases acetylcholine release. The Lancet, i:624, 1987.
- Ulus, I.H., and Wurtman, R.J. (744)
Prevention by choline of the depletion of membrane phosphatidylcholine by a cholinesterase inhibitor. New Eng. J. Med., 318(3):191, 1988.
- Ulus, I.H., and Wurtman, R.J. (925)
Metabotropic glutamate receptor agonists increase release of soluble amyloid precursor protein derivatives from rat brain cortical and hippocampal slices. J. Pharm. Exp. Ther., 281:149-154, 1997.
- Ulus, I.H., Wurtman, R.J., Mauron, C., and Blusztajn, J.K. (709)
Choline increases acetylcholine release and protects against the stimulation-induced decrease in phosphatide levels within membranes of rat corpus striatum. Brain Res., 484:217-227, 1989.
- Ulus, I.H., Wurtman, R.J., Scally, M.C., and Hirsch, M.J. (354)
Effect of Choline on cholinergic function. In: Cholinergic Mechanisms and Psychopharmacology. (D.J. Jenden, ed.) Plenum, New York, pp.525-53, 1978.
- Ulus, I.H., Watkins, C.J., Cansev, M., Wurtman, R.J. (1014)
Cytidine and uridine increase striatal CDP-choline levels without decreasing acetylcholine synthesis or release.
Cell & Mol Neurobiol, 26 563-577, 2006.
- van Wijk, N, Watkins, C.J., Böhlke, M., Maher, T.J., Hageman, R.J., Kamphuis, P.J.H., Broersen, L.M., Wurtman, R.J. (1045)
Plasma choline concentration varies with different dietary levels of vitamins B₆, B₁₂, and folic acid in rats maintained on choline-adequate diets. Brit. J. Nutr. Doi:10.1017/S0007114511004570, 2011.
- Versteeg, D.H.G., and Wurtman, R.J. (292)
Effect of ACTH₄₋₁₀ on the rate of synthesis of [³H]catecholamines in the brains of intact, hypophysectomized and adrenalectomized rats.
Brain Res., 93:522-557, 1975.
- Versteeg, D.H.G., and Wurtman, R.J. (278)
Synthesis and release of monoamine neurotransmitters: Regulatory mechanisms. In: Molecular and Functional Neurobiology. (W.H. Gispen, ed.) Elsevier Scientific Publishing Company, Amsterdam, pp.201-234, 1976.
- Vlahakes, G.J., and Wurtman, R.J. (170)
A Mg²⁺ dependent hydroxyindole O-methyltransferase in rat harderian gland. Biochim. Biophys. Acta, 261:194-197, 1972.
- Voelkel, E.F., Tashjian, A.H., Davidoff, F.F., Cohen, R.B., Perlia, C.P., and Wurtman, R.J. (227)
Concentrations of calcitonin and catecholamines in pheochromocytomas, a mucosal neuroma and medullary thyroid carcinoma. J. Clin. Endocrinol. Metab., 37(2):297-307, 1973.

von Borstel, R.W., Evoniuk, G.E., and Wurtman, R.J. (639)

Adenosine potentiates sympathomimetic effects of nicotinic agonists
in vivo. J. Pharmacol. Exp. Ther., 236(2):344-349, 1986.

von Borstel, R.W., Renshaw, A.A., and Wurtman, R.J. (613)

Adenosine strongly potentiates pressor responses to nicotine in rats.
Proc. Natl. Acad. Sci., 81:5599-5603, 1984.

von Borstel, W.R., and Wurtman, R.J. (580)

Caffeine and the cardiovascular effects of physiological levels of
adenosine. In: Caffeine: Perspectives on Current Research (P.B.
Dews, ed.) Springer-Verlag, pp.142-150, 1984.

von Borstel, R.W., Wurtman, R.J., and Conlay, L.A. (548)

Chronic caffeine consumption potentiates the hypotensive action of
circulating adenosine. Life Sci., 32:1151-1158, 1983.

- Waldhauser, F., Lieberman, H.R., Lynch, H.J., Waldhauser, M., Herkner, K., Frisch, H., Vierhapper, H., Waldhauser, W., Schemper, M., Wurtman, R.J., and Crowley, W.F. (645)
A pharmacological dose of melatonin increases PRL levels in males without altering those of GH, LH, FSH, TSH, testosterone or cortisol. Neuroendocrinology, 46:125-130, 1987.
- Waldhauser, F., Lynch, H.J., and Wurtman, R.J. (582)
Melatonin in human body fluids: Clinical significance. In: The Pineal Gland (Comprehensive Endocrinology) (R.J. Reiter, ed.) Raven Press, New York, pp. 345-370, 1984.
- Waldhauser, F., Waldhauser, M., Liberian, H.R., Deng, M.H., Lynch, H.J., and Wurtman, R.J. (573)
Bioavailability of oral melatonin in humans. Neuroendocrinology, 39:307-313, 1984.
- Waldhauser, F., Waldhauser, M., and Wurtman, R.J. (563)
A possible role for melatonin in human sexual maturation. Presented at the Third International Symposium on Psycho-Neuro-Endocrinology in Reproduction, July 9-12, 1982.
- Waldhauser, F.W., Weizenbacher, G., Frisch, H., Zeitlhuber, U., Waldhauser, M., and Wurtman, R.J. (574)
Fall in nocturnal serum melatonin during prepuberty and pubescence. The Lancet, February, 362-365, 1984.
- Waldhauser, F., and Wurtman, R.J. (543)
The secretion and actions of melatonin. In: Biochemical Actions of Hormones (G. Litwack, ed.), Vol. X, Academic Press, New York, pp.187-225, 1983.
- Wang, L., Maher, T.J., Wurtman, R.J. (1028)
Oral L-glutamine increases GABA levels in striatal tissue and extracellular fluid. FASEB J 21, 1227-1232, 2007.
- Wang, C., Wurtman, R.J., and Lee, R.K.K. (966)
Amyloid precursor protein and membrane phospholipids in primary cortical neurons increase with development, or after exposure to nerve growth factor or A β_{1-40} . Brain Res., 865:157-167, 2000.
- Wang, L., Albrecht, M.A., Wurtman, R.J. [NIMH, CBSMCT] (1013)
Dietary supplementation with uridine-5'-monophosphate (UMP), a membrane phosphatide precursor, increases acetylcholine release in rat striatum. Brain Research 1133:42-48, 2007.
- Wang, L., Pooler, A.M., Albrecht, M.A., and Wurtman, R.J. (1010)
Dietary uridine-5'-monophosphate supplementation increases potassium-evoked dopamine release and promotes neurite outgrowth in aged rats. J Molecular Neurosci 27:136-145, 2005.

- Wang, P., Saraswati, S., Guan, Z, Watkins, C., Wurtman, R.J., and Littleton, J.T. (983)
 A Drosophila temperature-sensitive seizure mutant in phosphoglycerate kinase disrupts ATP generation and alters synaptic function. J. Neurosci., 24(19):4518-4529, 2004.
- Watkins, C.J., Wiggins, J.F., and Wurtman, R.J. (424)
 Carbidopa elevates hypothalamic dopa and serum prolactin in rats. Life Sci. 24:1675-1682, 1979.
- Weiss, B.F., Liebshutz, J.L., Wurtman, R.J., and Munro, H.N. (280)
 Participation of dopamine- and serotonin-receptors in the disaggregation of brain polysomes by L-dopa and L-5-HTP. J. Neurochem., 24:1191-1195, 1975.
- Weiss, B.F., Munro, H.N., Ordonez, L.A., and Wurtman, R.J. (186)
 Dopamine: Mediator of brain polysome disaggregation after L-Dopa. Science, 177:613-616, 1972.
- Weiss, B.F., Munro, H.M., and Wurtman, R.J. (165)
 L-dopa: Disaggregation of brain polysomes and elevation of brain tryptophan. Science, 173:833-835, 1971.
- Weiss, B.F., Roel, L.E., Munro, H.N., and Wurtman, R.J. (230)
 The effect of L-dopa on brain polysomes and protein synthesis: Probable mediation by intracellular dopamine. In: Parkinson's Disease - Proc. Of the 2nd Canadian-Amer. Conference (Advances in Neurology) (F. McDowell and A. Barbeau, eds.) Raven Press, NY, Vol. 5, pp.87-96, 1974.
- Weiss, B.F., Roel, L.E., Munro, H.N., and Wurtman, R.J. (257)
 L-dopa, polysomal aggregation and cerebral synthesis of protein. In: CIBA Foundation Symposium on Aromatic Amino Acids in the Brain. (G.E.W. Wolstenholme and David W. Fitzsimons, eds.) pp.325-332, 1974.
- Weiss, B.F., Wurtman, R.J., and Munro, H.N. (235)
 Disaggregation of brain polysomes by L-5-hydroxytryptophan: Mediation by serotonin. Life Sci., 13:411-416, 1973.
- Weitzman, E.D., Weinberg, U., D'Eletto, R., Lynch, H., Wurtman, R.J., Czeisler, C., and Erlich, S. (381)
 Studies of the 24 hour rhythm of melatonin in man. J. Neural Trans., Suppl. 13:325-337, 1978.
- Wells, S.A., Wurtman, R.J., Rabson, A.S. (57)
 Viral neoplastic transformation of hamster pineal cells in vitro: Retention of enzymatic function. Science, 154(3746):278-279, 1966.
- Wurtman, J.J., Brzezinski, A., Wurtman, R.J., and LaFerrere, B. (780)
 Effect of nutrient intake on premenstrual depression. Am. J. Obstet. Gynecol., 161(5):1228-1234, 1989.

- Wurtman, J.J., McDermott, J.M., Levendusky, P., Duca, K., and Wurtman, R.J. (979)
The effect of a novel dietary intervention on weight loss in psychotropic drug-induced obesity. Psychopharm. Bulletin, 36(3):55-59, 2002.
- Wurtman, J.J., Moses, P.L., and Wurtman, R.J. (507)
Prior carbohydrate consumption affects the amount of carbohydrate that rats choose to eat. J. Nutr., 113:70-78, 1983.
- Wurtman, J.J., O'Rourke, D., Lieberman, H.R., and Wurtman, R.J. (773)
Carbohydrate craving, obesity, seasonal depression, and D-fenfluramine. In: New Concepts in Depression (M. Briley and G. Gillion, eds.) Pierre Fabre Monograph Series, Castres, Vol. 2:334-339, 1988.
- Wurtman, J.J., and Wurtman, R.J. (359)
Fenfluramine and fluoxetine spare protein consumption while suppressing caloric intake by rats. Science, 198:1178-1180, 1977.
- Wurtman, J.J., and Wurtman, R.J. (400)
Sucrose consumption early in life fails to modify the appetite of adult rats for sweet foods. Science, 205:321-322, 1979.
- Wurtman, J.J., and Wurtman, R.J. (412)
Fenfluramine and other serotonergic drugs depress food intake and carbohydrate consumption while sparing protein consumption. Current Med. Res. Opinion, 6:28-33, 1979.
- Wurtman, J.J., and Wurtman, R.J. (417)
Drugs that enhance central serotonergic transmission diminish elective carbohydrate consumption by rats. Life Sci., 24:895-904, 1979.
- Wurtman, J.J., and Wurtman, R.J. (495)
Suppression of carbohydrate consumption as snacks and at mealtime by DL-fenfluramine or tryptophan. In: Anorectic Agents: Mechanisms of Action and Tolerance. (S. Garattini and R. Samanin, eds.) Raven Press, New York, pp.169-182, 1981.
- Wurtman, J.J., and Wurtman, R.J. (571)
Studies on the appetite for carbohydrates in rats and humans. J. Psychiat. Res., 17(2):213-221, 1982/1983.
- Wurtman, J.J., and Wurtman, R.J. (588)
Impaired control of appetite for carbohydrates in some patients with eating disorders: Treatment with pharmacologic agents. In: The Psychobiology of Anorexia Nervosa (K.M. Pirke and D. Ploog, eds.) Springer-Verlag, Berlin, pp.12-21, 1984.
- Wurtman, J.J., and Wurtman, R.J. (604)
D-fenfluramine selectively decreases carbohydrate but not protein intake in obese subjects. Int. J. Obesity, 8(Suppl. 1):79-84, 1984.

- Wurtman, J.J., Wurtman, R.J., Berry, E., Gleason, R., Goldberg, H., McDermott, J., Kahne, M., and Tsay, R. Dexfenfluramine, fluoxetine, and weight loss among female carbohydrate cravers. Neuropsychopharmacology, 9(3):201-210, 1993. (830)
- Wurtman, J.J., Wurtman, R.J., Growdon, J.H., Henry, P., Lipscomb, A., Zeisel, S.H. Carbohydrate craving in obese people: suppression by treatments affecting serotoninergic transmission. Int. J. Eating Dis., 1:2-15, 1981. (521)
- Wurtman, J.J., Wurtman, R.J., Mark, S., Tsay, R., Gilbert, W., Growdon, J. D-fenfluramine selectively suppresses carbohydrate snacking by obese subjects. Int. J. Eating Disorders, 4(1):89-99, 1985. (592)
- Wurtman, J.J., Wurtman, R.J., Reynolds, S., Tsay, R., and Chew, B. Fenfluramine suppresses snack intake among carbohydrate cravers but not among noncarbohydrate cravers. Int. J. Eating Disorders, 6(6): 687-699, 1987. (721)
- Wurtman, R.J. An effect of luteinizing hormone on the fractional perfusion of the rat ovary. Endocrin., 75(6):927-933, 1964. (31)
- Wurtman, R.J. Medical Progress: Catecholamines. New Eng. J. Med., 273:637-646; 693-700, 746-753, 1965. (41)
- Wurtman, R.J. Catecholamines. Little Brown & Co., Boston, 1966. (50)
- Wurtman, R.J. Control of epinephrine synthesis in the adrenal medulla by the adrenal cortex: Hormonal specificity and dose-response characteristics. Endocrin., 79:608-614, 1966. (53)
- Wurtman, R.J. Effects of light and visual stimuli on endocrine function. In: Neuroendocrin., Vol. 2, Academic Press Inc., New York, Chapter 18, pp. 20-59, 1967. (46)
- Wurtman, R.J. Control of epinephrine synthesis by the pituitary and adrenal cortex: Possible role in the pathophysiology of chronic stress. In: Recent Advances in Biological Psychiatry. (W. Himwich, ed.) Plenum Press, NY, Vol. 9, Chapter 24, pp. 359-368, 1967. (66)
- Wurtman, R.J. Ambiguities in the use of the term circadian. Science, 156(3771):104, 1967. (67)

- Wurtman, R.J. (76)
The pineal gland and its role in the establishment of biological rhythms. Proceedings of the Fourth Pan-American Symposium on Pharmacology and Therapeutics, Mexico City, Mexico, August 24-26, 1967. Excerpta Medica Foundation, 1967.
- Wurtman, R.J. (79)
Control of the synthesis and secretion of epinephrine (Editorial). New Eng. J. Med., 277:430, 1967.
- Wurtman, R.J. (61)
The pineal gland, In: Endocrine Pathology (J.M.B. Bloodworth, ed.) Williams & Wilkins, Baltimore, MD, Chapter 5, pp. 117-132, 1968.
- Wurtman, R.J. (85)
Estrogen receptor: Ambiguities in the use of this term. Science, 159:1261, 1968.
- Wurtman, R.J. (90)
Biologic rhythms in the body. Technology Review, 70(5):3-7, 1968.
- Wurtman, R.J. (96)
The practical pharmacology of pheochromocytoma. New Eng. J. Med. (Editorial) 278:733, 1968.
- Wurtman, R.J. (146)
Control of the mammalian pineal by light and sympathetic nerves. Proceedings of the 3rd International Congress of Endocrinology, Progress in Endocrinology, Mexico, D.F., June 30-July 5, 1968. Excerpta Medical International Congress Series #184, pp. 627-630, 1968.
- Wurtman, R.J. (103)
Biological implications of artificial illumination. Illuminating Engineering, Illumination Engineering Society, National Technical Conference, Phoenix, Arizona, September 8-12, 1968, 63:523-529, 1968.
- Wurtman, R.J. (105)
Time-dependent variations in amino acid metabolism: mechanism of the tyrosine transaminase rhythm in rat liver. Adv. Enzyme Regulation, 7:57-67, 1969.
- Wurtman, R.J. (109)
The pineal gland in relation to reproduction. Amer. J. Obstet. Gynecol., 104(3):320-326, 1969.
- Wurtman, R.J. (116)
The pineal and endocrine function. Hospital Practice, 4(1):32-37, 1969.
- Wurtman, R.J. (127)
Effetti biological del' illuminazione artificiale. In: Medicina Terminal e Climatologia, pp. 15-23, 1969.

- Wurtman, R.J. (87)
Diseases of the pineal gland. In: Harrison's Principles of Internal Medicine, Sixth Edition. McGraw Hill, New York, Chapter 100, pp. 573-577, 1970.
- Wurtman, R.J. (93)
Pineal Hormones. In: Handbook of Neurochemistry (A. Lajtha, ed.) Plenum Press, New York, Vol. 4, Chapter 19, pp. 451-461, 1970.
- Wurtman, R.J. (115)
Diurnal rhythms in mammalian protein metabolism. In: Mammalian Protein Metabolism (H.N. Munro, ed.) Academic Press, New York, Vol 4, Chapter 36, pp. 445-479, 1970.
- Wurtman, R.J. (118)
Brain catecholamines and the control of secretion from the anterior pituitary gland. In: Hypophysiotropic Hormones of the Hypothalamus: Assay and Chemistry (J. Meites, ed.) Williams & Wilkins, Baltimore, pp. 184-194, 1970.
- Wurtman, R.J. (121)
Functions of the pineal in mammals. Abbottempo, 3:30-33, 1970.
- Wurtman, R.J. (125)
Effects of light on metabolic processes. Birth Defects, Original Article Series, VI(2):60-62, 1970.
- Wurtman, R.J. (126)
The role of brain and pineal indoles in neuroendocrine mechanisms. In: The Hypothalamus (L. Martini, M. Motta, F. Fraschini, eds.) Academic Press Inc., New York, pp. 153-165, 1970.
- Wurtman, R.J. (131)
Neuroendocrine transducer cells in mammals. In: The Neuro-sciences: Second Study Program (F.O. Schmitt, Ed-in-Chief), Rockefeller University Press, New York, pp. 530-538, 1970.
- Wurtman, R.J. (136)
Control of the synthesis of melatonin and other methoxyindoles in the mammalian pineal organ. In: Neurochemical Aspects of Hypothalamic Function (L. Martini & J. Meites, eds.) Academic Press, Inc., New York and London, pp. 135-140, 1970.
- Wurtman, R.J. (137)
The pineal gland: Endocrine interrelationships. In: Advances in Internal Medicine, Vol. 16 (G. Stollerman, ed.) Year Book Medical Publishers, Inc., Chicago, pp. 155-169, 1970.
- Wurtman, R.J. (141)
Editorial: Catecholamines and neurologic diseases. New Eng. J. Med., 282(1):45-46, 1970.
- Wurtman, R.J. (142)
On teaching how the body works. Education Research Center. Occasional Paper No. 4, February 20, 1969. Education Research Center, M.I.T., January, 1970.

- Wurtman, R.J. (152)
The effects of endocrine, synaptic and nutritional inputs on catecholamine-containing neurons. In: University of Wisconsin-Parkside Symposium on Biochemistry of Brain and Behavior. (R. Bowman and S.P. Datta, eds.) Plenum Press, New York, pp. 91-96, 1970.
- Wurtman, R.J. (155)
Role of cyclic AMP in pineal gland. In: The role of cyclic AMP in the Nervous System. Neurosciences Research Program Bulletin. 8: 275-276, 1970.
- Wurtman, R.J. (110)
The pineal gland and biologic rhythms. In: The Neuroendocrinology of Human Reproduction (H.C. Mack and A.I. Sherman, eds.) Charles C. Thomas, Springfield, IL, Chapter 13, pp. 191-197, 1971.
- Wurtman, R.J. (166)
Summary of symposium. In: CIBA Foundation Symposium on the Pineal Gland. (G.E.W. Wolstenholme and J. Knight, eds.) Churchill, London, pp. 379-389, 1971.
- Wurtman, R.J. (172)
The pineal gland. Res. in Reproduction, 3:3-4, 1971.
- Wurtman, R.J. (143)
Neural and endocrine communications (pp. 1113-1115) and The pineal organ (pp. 1045-1046). In: Textbook of Pediatrics (H.L. Barnett and A.H. Einhorn, eds.) Appleton-Century-Crofts, New York, pp. 1113-1115 and 1045-1046, 1972.
- Wurtman, R.J. (157)
Brain monoamines in endocrine function. Neurosciences Research Program Bulletin. Reprinted in Neurosciences Research Symposium Summaries (F.O. Schmitt, G. Adelman, T. Melnechuk, and F.G. Worden, eds.) Vol. 6, MIT Press, Cambridge, MA, pp. 171-298, 1972.
- Wurtman, R.J. (174)
Effect of L-dopa on S-adenosylmethionine levels and norepinephrine metabolism in rat brain. In: Studies of Neurotransmitters at the Synaptic Level. (E. Costa, L.L. Iversen and R. Paoletti, eds.) Adv. Biochem. Pharmacol., Raven Press, New York, Vol. 6, pp. 241-246, 1972.
- Wurtman, R.J. (182)
Biological effects of light on the whole mammal. Proc. Of GTE Lab Health & Safety Workshop, held October 1971; W.F. Nelson & P.O. Haugsjaa, GTE Labs, Waltham, MA, Compiled November 1972.
- Wurtman, R.J. (212)
Biogenic amines and endocrine function. Introduction: Neuroendocrine transducers and monoamines. Fed. Proc., 32(7):1769-1771, 1973.

- Wurtman, R.J. (220)
Environmental adaptation: Participation of the neuroendocrine apparatus in normal and pathological responses to stress, 1973.
- Wurtman, R.J. (232)
Role of catecholamines in neuroendocrine function. In: Frontiers in Catecholamines Research (E. Usdin, ed.) Pergamon Press, Inc., NY, pp.781-785, 1973.
- Wurtman, R.J. (237)
Biological considerations in lighting environments. Progressive Architecture, pp.79-81, 1973.
- Wurtman, R.J. (179)
Diseases of the pineal gland. In: Harrison's Principles of Internal Medicine, Seventh Edition, Chapter 94, McGraw Hill, New York, pp. 587-590, 1974.
- Wurtman, R.J. (211)
The action of light on man and mammals: normal physiologic and pathologic extracutaneous effects. In: Sunlight and Man, Normal and Abnormal Photobiologic Responses. (M.A. Pathak, L.C. Harber, M. Seiji, A. Kukita, eds.) Univ. Tokyo Press, Tokyo, pp. 231-246, 1974.
- Wurtman, R.J. (249)
Effects of light on man. In: Phototherapy in the Newborn: An Overview. National Academy of Sciences. (G.B. Odell, R. Schaffer, and A.P. Simopoulos, eds.) Washington, D.C., pp. 161-171, 1974.
- Wurtman, R.J. (251)
Effects of physiologic variations in brain amino acid concentrations on the synthesis of brain monoamines. In: Frontiers in Neurology and Neuroscience (P. Seeman and G.M. Brown, eds.), Chapter 4, pp.16-25, 1974.
- Wurtman, R.J. (253)
Chairman's closing remarks. In: CIBA Foundation Symposium on Aromatic Amino Acids in the Brain. (G.E.W. Wolstenholme, ed.), ASP (Elsevier/Excerpta Medica/North-Holland), Amsterdam, pp.381-384, 1974.
- Wurtman, R.J. (256)
Neuroendocrine transducers: Brain monoamines and the control of hypothalamo-pituitary function. Psychopharmacol. Bulletin, 10:7-9, 1974.
- Wurtman, R.J. (260)
Daily rhythms in tyrosine transaminase and other hepatic enzymes that metabolize amino acids: Mechanisms and possible consequences. Life Sci., 15:827-847, 1974.
- Wurtman, R.J. (266)
Chairman's introduction. In: CIBA Foundation Symposium 22 (new series) on Aromatic Amino Acids in the Brain. (G.E.W. Wolstenholme, ed.), ASP (Elsevier, Excerpta Medica, North-Holland), Amsterdam, pp.1-3, 1974.
- Wurtman, R.J. (268)
The effects of light on man and other mammals. Ann. Rev. Physiol., 37:467-483, 1975.

- Wurtman, R.J. (282)
Brain catecholamines and perinatal undernutrition. In: Early Diabetes in Early Life. (R.A. Camerini-Davalos, and H.S. Cole, eds.) Academic Press, New York, pp.203-208, 1975.
- Wurtman, R.J. (286)
The effects of light on the human body. Sci. Am., 233(1):69-77, 1975.
- Wurtman, R.J. (309)
Control of neurotransmitter synthesis by precursor availability and food consumption. In: Subcellular Mechanisms in Reproductive Neuroendocrinology. (F. Naftlin, K.J. Ryan, J. Davies, eds.) Elsevier, New York, pp.149-166, 1976.
- Wurtman, R.J. (340)
The effects of light on the human body. In: Conditions for Life. (A. Gibor, ed.) W.H. Freeman & Co., pp.125-134, 1976.
- Wurtman, R.J. (262)
Brain neurotransmitters and the hypothalamic control of pituitary gonadotropin secretion. In: Frontiers in Research in Reproductive Biology and Contraceptive Development. (R.O. Greep and M.A. Koblinsky, eds.), M.I.T. Press, pp.103-107, 1977.
- Wurtman, R.J. (293)
Disease of the pineal gland. In: Harrison's Principles of Internal Medicine, 8th edition. McGraw Hill, New York, pp.622-624, 1977.
- Wurtman, R.J. (345)
Introduction. In: Pineal Tumors. (H. Schmidek, ed.) Masson, New York, 1977.
- Wurtman, R.J. (356)
Pineal organ. In: Pediatrics. (A.M. Rudolph, ed.) Appleton-Century-Crofts, New York, pp.1693-1694, 1977.
- Wurtman, R.J. (357)
Relation between choline availability, acetylcholine synthesis and cholinergic function. In: Depressive Disorders (S. Garratini and F.K. Schattauer, eds.) Verlag-Stuttgart, New York, pp.169-178, 1977.
- Wurtman, R.J. (368)
Letters to the Editor: Paul Schrecker's Philosophy: Changing norms: Before and after Kuhn. Science, 297:514, 1977.
- Wurtman, R.J. (296)
The pineal organ. In: Endocrinology. (L.J. DeGroot, ed.) Grune & Stratton, New York, Vol. I:95-102, 1978.
- Wurtman, R.J. (329)
The effect of diet on brain neurotransmitters. In: The Biological Basis of Schizophrenia. (G. Hemmings and W.A. Hemmings, eds.) MTP Press Ltd., Lancaster, England, pp.149-166, 1978.

- Wurtman, R.J. (342)
Effects of nutrients and circulating precursors on the synthesis of brain neurotransmitters. In: Central Mechanisms of Anorectic Drugs. (S. Garattini and R. Samanin, eds.) Raven Press, New York, pp.267-294, 1978.
- Wurtman, R.J. (379)
Food for thought. The Sciences, 18:6-9, 1978.
- Wurtman, R.J. (380)
Nutritional and precursor control of brain acetylcholine synthesis. Psychopharm. Bulletin, 14:53-54, 1978.
- Wurtman, R.J. (402)
Brain muffins. Psychology Today, 12:140, 1978.
- Wurtman, R.J. (437)
Physiological effects of melatonin. J. Neur. Trans., Suppl. 13:205-207, 1978.
- Wurtman, R.J. (338)
Precursor control of neurotransmitter formation. In: Proceedings of the Second International Symposium on Alcohol and Aldehyde Metabolizing Systems. (R.G. Thurman, ed.), 1979.
- Wurtman, R.J. (399)
Dietary influences on brain neurotransmitter synthesis and brain methylation reactions. In: Biochemical and Pharmacological Roles of Adenosylmethionine and the Central Nervous System. (V. Zappia, E. Usdin, and F. Salvatore, eds.) Pergamon Press, Oxford, New York, pp.71-89, 1979.
- Wurtman, R.J. (401)
When-why-should nutritional state control neurotransmitter synthesis? In: Transport Mechanisms of Tryptophan in Blood Cells, Nerve Cells and at the Blood Brain Barrier. (P. Baumann, ed.) Springer-Verlag, Vienna. J. Neural Trans., Suppl. 15:69-79, 1979.
- Wurtman, R.J. (406)
Summary. In: Glutamic Acid: Advances in Biochemistry and Physiology. (L.J. Filer, Jr., S. Garattini, M.R. Kare, A.N. Reynolds, and R.J. Wurtman, eds.) Raven Press, New York, pp.389-393, 1979.
- Wurtman, R.J. (419)
Precursor control of transmitter synthesis. In: Nutrition and the Brain. (A. Barbeau, J.H. Growdon, and R.J. Wurtman, eds.) Raven Press, New York, Vol. 5, pp.1-12, 1979.
- Wurtman, R.J. (440)
Rhythms in melatonin secretion: their possible role in reproductive function. In: Psychoneuroendocrinology in Reproduction. (L. Zichella and P. Pancheri, eds.) Elsevier/North Holland Biomedical Press, Vol. 5, pp.87-98, 1979.

- Wurtman, R.J. (458)
The effects of light on the human body. In: Hormones and Reproductive Behavior. (R. Silver and H.H. Feder, eds.) W.H. Freeman and Company, pp.4-13, 1979.
- Wurtman, R.J. (387)
Diseases of the pineal gland. In: Harrison's Principles of Internal Medicine, 9th Edition. (K.J. Isselbacher, R.D. Adams, E. Braunwald, R.G. Petersdorf, and J.D. Wilson, eds.) pp.1812-1814, 1980.
- Wurtman, R.J. (423)
Food and the brain. In: Food and Health - Science and Technology. (G.G. Birch, ed.) Applied Science Publishers, Chapter 30, pp.501-510, 1980.
- Wurtman, R.J. (450)
Control of the synthesis of neurotransmitters by their circulating precursors. In: Catecholamines and Stress: Recent Advances. (E. Usdin, R. Kvetnansky, and I.J., Kopin, eds.) Elsevier North Holland, Inc., pp.383-391, 1980.
- Wurtman, R.J. (452)
How diet affects the brain. The Science Supplement, pp.236-241, 1980.
- Wurtman, R.J. (467)
The pineal as a neuroendocrine transducer. Hospital Practice, 467: 82-92, 1980.
- Wurtman, R.J. (473)
Meeting report: Workshop of the International Study Group (ISG) on the Pharmacology of Memory Disorders Associated with Aging. The Pharmacologist, 22:72-75, 1980.
- Wurtman, R.J. (474)
Meeting report: Workshop of the International Study Group (ISG) on the Pharmacology of Memory Disorders Associated with Aging. J. Neural Transmission, 47:319-325, 1980.
- Wurtman, R.J. (477)
Memory disorders. Trends in Neuroscience, 3:7-10, 1980.
- Wurtman, R.J. (490)
Food consumption and neurotransmitter synthesis: Implications for the aged brain. IUNS Meeting on Nutrition and Aging, Talloires, France, New England University Press, 1980.
- Wurtman, R.J. (493)
The pineal as a neuroendocrine transducer. In: Neuroendocrinology. (D.T. Krieger and J.C. Hughes, eds.) Sinauer Associates, Inc., pp. 102-108, 1980.
- Wurtman, R.J. (497)
Nutritional control of brain tryptophan and serotonin. In: Biochemical and Medical Aspects of Tryptophan Metabolism. (O. Hayaishi, Y. Ishimura, and R. Kido, eds.), Elsevier/North-Holland Biomedical Press, pp.31-46, 1980.

- Wurtman, R.J. (513)
The effects of nutritional factors on memory. Acta Neurologica Scandinavica, 64:145-154, 1981.
- Wurtman, R.J. (520)
Nutrients as drugs. In: The Effects of Foods and Drugs on the Development and Function of the Nervous System: Methods for Predicting Toxicity. (R.M. Gryder and V.H. Frankos, eds.) Office of Health Affairs, FDA, Washington, D.C., pp.218-223, 1981.
- Wurtman, R.J. (518)
Forecast. In: Alzheimer's Disease: A Report on Progress in Research. (S. Corkin, K.L. Davis, J.H. Growdon, E. Usdin and R.J. Wurtman, eds.), Raven Press, New York, pp.495-499, 1982.
- Wurtman, R.J. (546)
A personal history of pineal research. EPSG Newsletter, 7:12-19, 1982.
- Wurtman, R.J. (551)
Nutrients that modify brain function. Sci. Amer., 246(4):50-59, 1982.
- Wurtman, R.J. (566)
Introduction. J. Psychiat. Res., 17(2):103-105, 1982/1983.
- Wurtman, R.J. (460)
Letter to the Editor: Myths about sugar myths. Washington Post, February, 1983.
- Wurtman, R.J. (498)
Choline availability and acetylcholine synthesis: Relation to Alzheimer's disease. In: Aging of the Brain. (D. Samuel, et al., eds.) Raven Press, New York, pp.211-220, 1983.
- Wurtman, R.J. (512)
Behavioural effects of nutrients. Lancet, 1:1145-1147, 1983.
- Wurtman, R.J. (526)
Diseases of the pineal gland. In: Harrison's Principles of Internal Medicine, 10th Edition. (R. Petersdorf, R. Adams, E. Braunwald, K. Isselbacher, J. Martin and J. Wilson, eds.) McGraw-Hill, pp.739-741, 1983.
- Wurtman, R.J. (539)
Effects of parenteral amino acid mixtures on the nervous system. In: New Aspects of Clinical Nutrition. (G. Klienberger and E. Deutsch, eds.) Karger Basel, pp.464-473, 1983.
- Wurtman, R.J. (550)
Implications of parenteral and enteral amino acid mixtures for brain function: In: Amino Acids: Metabolism and Medical Applications (G.L. Blackburn, J. Grant, and V.R. Young, eds.) John Wright-PSG Inc., pp.219-224, 1983.

- Wurtman, R.J. (562)
Food consumption, neurotransmitter synthesis, and human behavior. In:
Nutritional Adequacy, Nutrient Availability and Needs. (J. Mauron, ed.)
Nestle Nutrition Symposium, Vevey, Switzerland, pp.356-369, 1983.
- Wurtman, R.J. (576)
Cholinesterase inhibitors and opiate antagonists in patients with
Alzheimer's Disease. New Eng. J. Med., 309(9):555, 1983.
- Wurtman, R.J. (597)
Neurochemical changes following high-dose aspartame with dietary
carbohydrates. New Eng. J. Med., 390(7):429-430, 1983.
- Wurtman, R.J. (603)
Stimulation of catecholamine secretion by choline. Science, 222:188,
1983.
- Wurtman, R.J. (528)
Effects of foods and nutrients on brain neurotransmitters. In:
Nutrition in the 20th Century. (M. Winick, ed.) John Wiley & Sons,
New York, pp.103-112, 1984.
- Wurtman, R.J. (575)
Invited comments on "Diet and Hyperkinesis", by L.E. Arnold.
Integrative Psychiatry, 2:194-195, 1984.
- Wurtman, R.J. (607)
Introduction. In: Alzheimer's Disease: Advances in Basic Research and Therapies, pp.1-3, 1984.
- Wurtman, R.J. (612)
The ultimate head waiter: How the brain controls diet. Tech Review,
87:42-51, 1984.
- Wurtman, R.J. (642)
Effects of Foods and Nutrients on brain neurotransmitters. In:
Nutrition in the 20th Century (M. Winick, ed.) John Wiley & Sons,
Chapter 7, pp.103-112, 1984.
- Wurtman, R.J. (626)
Activation of neurotransmitters in the brain: Strategies in the
treatment of AD/SDAT. In: Physiological Aging. Dementia of Alzheimer Type (AD) and Senile Dementia (SD) (C.G. Gottfries, ed.) Free
University of Brussels Press, pp.275-280, 1985.
- Wurtman, R.J. (629)
Alzheimer's disease. Sci. Am., 252:62-74, 1985.
- Wurtman, R.J. (635)
The medical and biological effects of light - Introductory remarks. In:
Conference on Medical and Biological Effects on Light. Ann. New York
Acad. Sci., 453:ix-xi, 1985.

- Wurtman, R.J. (656)
Diagnosis and treatment of pineal region tumors. In: New Eng. J. Med.
Review of E.A. Neuweit, ed. Baltimore, Williams & Wilkins, 1984,
313(5):332-333, 1985.
- Wurtman, R.J. (657)
Melatonin as a hormone in humans: A history. Yale J. Biol. Med.,
58:547-552, 1985.
- Wurtman, R.J. (661)
Aspartame: Possible effect on seizure susceptibility. The Lancet,
8463:1060, 1985.
- Wurtman, R.J. (634)
Ways that food can affect the brain. Nutrition Reviews, Diet and
Behavior: A Multidisciplinary Evaluation, 44:2-6, 1986.
- Wurtman, R.J. (644)
Possible functions of the human pineal. In Advanced Medicine 21
(M.J. Brown, ed.). Proceedings of a Conference held at the Royal
College of Physicians of London, February 11-14, 1985, Churchill
Livingstone, Edinburgh, London, Melbourne, and New York, pp.49-54,
1986.
- Wurtman, R.J. (659)
Summary and Forecast. In: Melatonin in Humans. J. Neur. Trans.
(suppl.) (R.J. Wurtman and F. Waldhauser, eds.) 21:475-477, 1986.
- Wurtman, R.J. (668)
Serotonergic drugs and carbohydrate snacking by obese carbohydrate
cravers. J. Clin. Psychiatr., Suppl., 1986.
- Wurtman, R.J. (672)
Introduction: Melatonin in humans. In: Melatonin in Human, J. Neural
Trans., (R.J. Wurtman and F. Waldhauser, eds.). Presented at
Proceedings of First International Conference on Melatonin in Humans,
November 7-9, 1985; Suppl. 21, pp.1-8, 1986.
- Wurtman, R.J. (683)
Strategies in the development of drugs that might be useful in
cognitive disorders. Clin. Neuropharmacol., 9(Suppl. 3):S3-S7, 1986.
- Wurtman, R.J. (686)
Separate appetites for carbohydrates and proteins. Medicographia,
8(2):27-30, 1986.
- Wurtman, R.J. (724)
Effects of their nutrient precursors on the synthesis and release of
serotonin, the catecholamines, and acetylcholine: Implications for
behavioral disorders. Clin. Neuropharm., 9(suppl.4):506-507, 1986.
- Wurtman, R.J. (713)
Summary and forecast. Ann. N.Y. Acad. Sci., 494:343-348, 1987.

- Wurtman, R.J. (715)
Aspartame effects on brain serotonin. Letter to the Editor. Am. J. Clin. Nutr., 45:799-801, 1987.
- Wurtman, R.J. (716)
Nutrients affecting brain composition and behavior. Integr. Psychiat., 5:226-257, 1987.
- Wurtman, R.J. (606)
Dietary treatments that affect brain neurotransmitters: Effects on calorie and nutrient intake. Ann. N.Y. Acad. Sci. 499:179-190, 1987.
- Wurtman, R.J. (651)
Choline. In: Encyclopedia of Neuroscience (G. Adelman, ed.), Birkhauser, Boston, Vol. I, pp.232-233, 1987.
- Wurtman, R.J. (652)
Tyrosine. In: Encyclopedia of Neuroscience (G. Adelman, ed.), Birkhauser, Boston, Vol. II, pp.1247-1248, 1987.
- Wurtman, R.J. (653)
Tryptophan. In: Encyclopedia of Neuroscience (G. Adelman, ed.), Birkhauser, Boston, Vol. II, pp.1239, 1987.
- Wurtman, R.J. (654)
Melatonin. In: Encyclopedia of Neuroscience (G. Adelman, ed.), Birkhauser, Boston, Vol. II, pp.623, 1987.
- Wurtman, R.J. (655)
Lecithin. In: Encyclopedia of Neuroscience (G. Adelman, ed.), Birkhauser, Boston, Vol. I, p.582, 1987.
- Wurtman, R.J. (684)
Circulating nutrients and neurotransmitter synthesis. J. Appl. Nutr., 39(1):6-28, 1987.
- Wurtman, R.J. (706)
Use of tyrosine and other nutrients to enhance and sustain performance. AGARD/NATO Conference Proceedings No. 415, pp.2-1-2-4, 1987.
- Wurtman, R.J. (741)
Dietary treatments that affect brain neurotransmitters: Effects on calorie and nutrient intake. In: Human Obesity (R.J. Wurtman and J.J. Wurtman, eds.) Ann. N.Y. Acad. Sci., 499:179-190, 1987.
- Wurtman, R.J. (753)
Why no testing of additives? (Op-Ed article). New York Times, Wednesday, December 23, 1987.
- Wurtman, R.J. (679)
Neurotransmitters, control of appetite, and obesity. In Current Concepts in Nutrition (M. Winick, ed.). John Wiley & Sons, New York, pp.27-34, 1988.

- Wurtman, R.J. (734)
Effects of dietary amino acids, carbohydrates, and choline on neurotransmitter synthesis. Mt. Sinai J. Med., 55(1):75-86, 1988.
- Wurtman, R.J. (736)
Conference on dietary phenylalanine and brain function, May 8-10, 1987, Washington, DC. In: Dietary Phenylalanine and Brain Function (R.J. Wurtman, ed.) Boston/Basel: Birkhauser, pp.389-391, 1988.
- Wurtman, R.J. (745)
Effects of their nutrient precursors on the synthesis and release of serotonin, the catecholamines, and acetylcholine: Implications for behavioral disorders. Clin. Neuropharm., 11(suppl.1):S187-S193, 1988.
- Wurtman, R.J. (757)
Dexfenfluramine in the treatment of carbohydrate craving. Medicographia, 10:28-30, 1988.
- Wurtman, R.J. (766)
Presynaptic control of release of amine neurotransmitters by precursor levels. NIPS (Am. Physiol. Soc.), 3:158-163, 1988.
- Wurtman, R.J. (762)
Cholinergic brain neurons and the dementias associated with old age: Towards the development of effective drugs. In: Organic Brain Disorders (K. Maurer and R.J. Wurtman, eds.). Presented at the International Symposium during the 1st European Congress of Neurology, Prague, April 12-22, 1988; Vieweg Publishing, pp.11-17, 1989.
- Wurtman, R.J. (765)
Aspartame. In: Neuroscience Year, Supplement 1 to the Encyclopedia of Neuroscience (G. Adelman, ed.) Boston/Basel: Birkhauser, pp. 13-15, 1989.
- Wurtman, R.J. (768)
Foreword. In: Nutrition and Neurotransmitters (M. Chafetz, ed.) New York: The Solomon Press, pp.xix-xx, 1990.
- Wurtman, R.J. (785)
Ways that food can affect the brain. In: The Healing Brain (R. Ornstein and C. Swencionis, eds.) New York: Guilford Publications, pp.106-112, 1990.
- Wurtman, R.J. (789)
Some philosophical aspects of Alzheimer's discovery: An American perspective. In: Alzheimer's Disease: Epidemiology, Neuropathology; Neurochemistry Clinics (K. Mauer, P. Riederer, H. Beckmann, eds.) Springer: Vienna, pp.3-5, 1990.
- Wurtman, R.J. (805)
How the brain chooses foods based on their nutrient contents. Central Association of Swiss Milk Producers Bulletin, Bern, Switzerland, 1990.
- Wurtman, R.J. (806)
Letter to the Editor on THA-lecithin study. New Eng. J. Med., 323(13): 919, 1990.

- Wurtman, R.J. (807)
Jogging and light therapy. Light Treatment and Biological Rhythms, 2(4):7-8, 1990.
- Wurtman, R.J. (829)
Tryptophan toxicity. In: Proceedings of Toxicology Forum. Given Institute, Aspen, CO, July 16-29, pp.560-569, 1990.
- Wurtman, R.J. (833)
Letter to the Editor. The choline-deficient diet. FASEB J., 5:2612, 1991.
- Wurtman, R.J. (818)
Neurochemical effects of exogenous CDP-choline: Implications for its use in neurological disease. (Valencia talk) [Wurtman, R.J., Blusztajn, J.K., Lopez, G.-Coviella, I., Logue, M., and Growdon, J.H. Estrategia en el desarrollo de fármacos para el tratamiento de las alteraciones cognitivas. Demencias (F. Bermejo, and N. Acarin, eds.)] MCR, Mallorca, pp. 127-134, 1991.
- Wurtman, R.J. (831)
Effects of foods on the brain: Possible implications for understanding and treating Tourette Syndrome. In: Advances in Neurology (T.N. Chase, A.J. Friedhoff, and D.J. Cohen, eds.) Raven Press, Ltd., New York, Vol. 58, pp.293-301, 1992.
- Wurtman, R.J. (834)
Choline metabolism as a basis for the selective vulnerability of cholinergic neurons. Trends in Neurosci., 15(4):117-122, 1992.
- Wurtman, R.J. (787)
Effects of dietary carbohydrates and proteins on the brain: Impact for selective control of macronutrient intake. In: Endocrine and Nutritional Control of Basic Biological Functions (H. Lehnert, R. Murison, D. Hellhammer, H. Weiner, and J. Beyer, eds.) Hogrefe Huber, Toronto, pp.97-106, 1993.
- Wurtman, R.J. (858)
Eating disorders associated with carbohydrate craving and affective symptoms: Mediation by brain serotonin. Diabetes und Stoffwechsel, 2: 449-453, 1993.
- Wurtman, R.J. (860)
Choline metabolism in normal brain and in Alzheimer's disease. In: Drugs in Development/Ca²⁺ Antagonists in CNS (A. Scriabine, R. Janis, and D. Triggle, eds.) Neva, Bradford, vol. 2, pp.231-238, 1993.
- Wurtman, R.J. (855)
Tryptophan, serotonin, food-intake, and obesity. In: L-Tryptophan Current Prospects in Medicine and Drug Safety (W. Kochen and H. Steinhart, eds.) Walter de Gruyter, Berlin, New York, pp.130-138, 1994.

- Wurtman, R.J. (864)
Effects of nutrients on neurotransmitter release. In: Food Components to Enhance Performance (B.M. Marriott, ed.) Institute of Medicine, Committee on Military Nutrition Workshop (CMNR), National Academy Press, Washington D.C., pp.239-261, 1994.
- Wurtman, R.J. (895)
The return of the cholinergic hypothesis. J. Clin. Invest., 94:470, 1994.
- Wurtman, R.J. (916)
CDP-choline: Pharmacological and clinical review - prologue. Meth. Find. Exp. Clin. Pharmacol. 17(Suppl.B):iii-iv, 1995.
- Wurtman, R.J. (878)
Neurotransmitters. In: Encarta Encyclopedia/Microsoft, 1997.
- Wurtman, R.J. (934)
The pharmacology of dexfenfluramine. In: Obesity Management and Redux (S. Nicolaidis, ed.) Academic Press, pp.13-16, 1997.
- Wurtman, R.J. (937)
What went right: Why is HIV a treatable infection? Nature Med., 3(7): 714-717, 1997.
- Wurtman, R.J. (938)
Cure all. The New Republic, November 10, pp.16,18, 1997.
- Wurtman, R.J. (947)
No DARPA for NIH. Issues in Science and Technology, Summer, p.16, 1997.
- Wurtman, R.J. (948)
Pharmacologic treatment of obesity. Canadian J. of Diagnosis Supplement, pp.12-14, 1997.
- Wurtman, R.J. (951)
Letter-to-the-Editor: Dieter's valve damage needs more research. The Wall Street Journal, August 20, 1997.
- Wurtman, R.J. (955)
Commentary: What went right: Why is HIV a treatable infection? Nat. Med., 3(7)714-717, 1997. Letters to the Editor - Keeping HIV suppressed. Nat. Med., 3(10):1052, 1997.
- Wurtman, R.J. (898)
Tryptophan. In: Encyclopedia of Neuroscience, 2nd edition (G. Adelman, B.H. Smith, eds.) Elsevier Science, pp.2073-2074, 1999.
- Wurtman, R.J. (899)
Melatonin. In: Encyclopedia of Neuroscience, 2nd edition (G. Adelman, B.H. Smith, eds.) Elsevier Science, pp.1126-1127, 1999.
- Wurtman, R.J. (945)
Neurotransmitters. The MIT Encyclopedia of the Cognitive Sciences, MIT Press, 605-607, 1999.

- Wurtman, R.J. (968)
La neurotoxicidad en la isquemia cerebral: del laboratorio a la clinica.
Rev. Neurol., 29(6):524-526, 1999.
- Wurtman, R.J. (977)
Letter to the Editor: Tough medicine. Boston Magazine, pp.10+12, February, 2000.
- Wurtman, R.J. (980)
Effects of melatonin on sleep. In: Harrison's Principles of Internal Medicine (E. Braunwald, A.S. Fauci, K.J. Isselbacher, D.L. Kasper, S.L. Hauser, D.L. Longo, and J.L. Jameson, eds.) McGraw Hill, 2000.
- Wurtman, R.J. (982)
Editorial: Age-related decreases in melatonin secretion-clinical consequences. J. Clin. Endocrin. Metab., 85(6):2135-2136, 2000.
- Wurtman, R.J. (986)
Stress and the adrenocortical control of epinephrine synthesis. Metabolism 51(6, Suppl 1):11-14, 2002.
- Wurtman, R.J. (994)
Letter to the Editor - "Applied path". New Republic, page 5, March 25, 2002.
- Wurtman, R.J. (928)
Tryptophan. In: Encyclopedia of Neuroscience, 3rd edition [on CD ROM] (G. Adelman, B.H. Smith, eds.) Elsevier Science, 2004.
- Wurtman, R.J. (974)
Melatonin. In: Encyclopedia of Neuroscience, 3rd edition [on CD ROM] (G. Adelman, B.H. Smith, eds.) Elsevier Science, 2004.
- Wurtman, R.J. (1001)
Aromatic amino acids. In: Handbook of Neurochemistry and Molecular Neurobiology, Third Edition (A. Lajtha, ed.) Kluwer Academic/Plenum Publishers, Vol. , pp. , 2005.
- Wurtman, R.J. (999)
Serotonin. McGraw-Hill Encyclopedia of Science & Technology, 318-320, 2005.
- Wurtman, R.J. (1005)
Genes, stress, and depression. Metabolism C.I.R.S. 54: 16-19, 2005.
- Wurtman, R.J. (1006)
The Clinical Research Center. MIT Faculty Newsletter, Vol. XVI(4):18-20, February/March, 2004.
- Wurtman, R.J. (997)
Curbside Consultation: Tossed in Translation. HMS Alumni Bulletin, 8-9, Summer 2005.
- Wurtman, R.J. (1004)
Melatonin in: Encyclopedia of Dietary Supplements (P. Coates, et al. eds), Marcel Dekker, Inc. 457-466, 2005.

- Wurtman, R.J., Cansev, M., Ulus, I.H. (1036)
Synapse formation is enhanced by oral administration of uridine and DHA, the circulating precursors of brain phosphatides.
Journal of Nutrition, Health and Aging 13:189-197, 2009.
- Wurtman, R.J., Ulus, I.H., Canse, M., Watkins, C.J., Wei, L., Marzloff, G. (1016)
Synaptic proteins and phospholipids are increased in gerbil brain by administering uridine plus docosahexaenoic acid orally. Brain Research 1088(1):83-92, 2006.
- Wurtman, R.J. (1003)
Ramelteon, a novel treatment for the treatment of insomnia. Expert Rev. of Neurotherapeutics 6(7) 957-964, 2006
- Wurtman, R.J. (1011)
Narcolepsy and the Hypocretins. Metabolism Clinical and Experimental 55: S22, S36-S-39, 2006.
- Wurtman, R.J. (1015)
Physiology and clinical use of melatonin. UpToDate, pp. 1-24, April 2006.
- Wurtman, R.J. (1024)
Melatonin Musings. Science Times, New York Times, February 23, 2006.
- Wurtman, R.J. (1023)
Letter to the Editor. FDA should regulate melatonin. New York Times, p. D4, January 23, 2007.
- Wurtman, R.J. (1030)
Synapse formation and cognitive brain development: effect of docosahexaenoic acid and other dietary constituents. Metabolism 57(2): S6-S10, 2008.
- Wurtman, R.J. Ramelteon: a melatonin receptor agonist. (1031)
Sleep Disorders:Diagnosis and Therapeutics, 2008.
- Wurtman, R.J., Cansev, M., Sakamoto, T., Ulus, I.H. (1035)
Use of phosphatide precursors to promote synaptogenesis.
Ann. Rev. Nutr. 29:59-87, 2009.
- Wurtman, R.J. For Boomers, it's time to go to the brain gym. (1026)
Letter to the Editor. The New York Times, page A30, May 8, 2008.
- Wurtman, R.J. (1043)
Fibromyalgia and the complex regional pain syndrome: similarities in pathophysiology and treatment. Metabolism Clinical and Experimental 59(Suppl 11):S37-S40, 2010
- Wurtman, R.J. (1046)
Similarities and differences in the ways that nutrients and drugs affect the brain. Pharma/Nutrition. Submitted. 2011.

- Wurtman, R.J. (1047)
Application of "personalized medicine"
strategies for understanding and treating the cognitive deficits
associated with Parkinsonism. Metabolism: Clinical and Experimental
submitted), 2012 publication.
- Wurtman, R.J. (1049)
Use of melatonin to promote sleep. JAMA submitted. 2011.
- Wurtman, R.J. (1048)
Non-nutritional uses of nutrients.
Eur. J. Pharmacol. (in press) 2011.
- Wurtman, R.J. (1044)
Enhancing Synaptogenesis in Diseases Characterized by Deficiencies
in Brain Synapses. Frontiers In Psychiatry: 1(Article 1); 1-2, 2010.
- Wurtman, R.J., Altschule, M.D., Greep, R.O., Falk, J.L., and (6)
Grave, G.
The pineal gland and aldosterone. Amer. J. Physiol., 199(6): 1109-
1111, 1960.
- Wurtman, R.J., Altschule, M.D., and Holmgren, U. (3)
Effects of pinealectomy and of a bovine pineal extract in rats.
Amer. J. Physiol., 197(1):108-110, 1959.
- Wurtman, R.J., and Anton-Tay, F. (104)
The mammalian pineal as a neuroendocrine transducer. Recent Progr.
Hormone Res., 25:493-522, 1969.
- Wurtman, R.J., Anton-Tay, F., and Anton, S. (120)
On the use of synthesis inhibitors to estimate brain norepinephrine
synthesis in gonadectomized rats. Life Sci., 8(Part I):1015-1022, 1969.
- Wurtman, R.J., and Axelrod, J. (15)
A sensitive and specific assay for the estimation of monoamine
oxidase. Biochem. Pharmacol., 12:1439-1440, 1963.
- Wurtman, R.J., and Axelrod, J. (16)
Sex steroids, cardiac ³H-Norepinephrine, and tissue monoamine oxidase
levels in the rat. Biochem. Pharmacol., 12:1417-1419, 1963.
- Wurtman, R.J., and Axelrod, J. (36)
The formation, metabolism, and physiologic effects of melatonin in
mammals. In: Structure and Function of the Epiphysis Cerebri.,
Progress in Brain Research, Vol. 10 (J.A. Kappers and J.P. Schade,
eds.) Elsevier Publishing Company, Amsterdam, pp. 520-529, 1965.
- Wurtman, R.J., and Axelrod, J. (40)
The pineal Gland. Sci. Amer., 213(1):50-60, 1965.
- Wurtman, R.J., and Axelrod, J. (42)
Adrenaline synthesis: Control by the pituitary gland and adrenal
glucocorticoids. Science, 150(3702):1464-1465, 1965.

- Wurtman, R.J., and Axelrod, J. (44)
The effect of thyroid and estrogen on the fate of catecholamines.
In: Endocrines and the Central Nervous System (R. Levine, ed.),
Williams & Wilkins, Baltimore, Chapter 18, pp. 354-529, 1966.
- Wurtman, R.J., and Axelrod, J. (48)
Control of Enzymatic synthesis of adrenaline in the adrenal medulla
by adrenal cortical steroids. J. Biol. Chem., 241(10): 2301-2305,
1966.
- Wurtman, R.J., and Axelrod, J. (49)
Effect of chlorpromazine and other drugs on the disposition of
circulating melatonin. Nature, 212(5059):312, 1966.
- Wurtman, R.J., and Axelrod, J. (51)
A 24-hour rhythm in the content of norepinephrine in the pineal and
salivary glands of the rat. Life Sci., 5:665-669, 1966.
- Wurtman, R.J., and Axelrod, J. (58)
The physiologic effects of melatonin and the control of its
biosynthesis. Problemes Actuels d'Endocrinologie et de Nutrition,
10:189-200, 1966.
- Wurtman, R.J., and Axelrod, J. (72)
Daily rhythmic changes in tyrosine transaminase activity of the rat
liver. Proc. Nat. Acad. Sci., 57(6):1594-1598, 1967.
- Wurtman, R.J., and Axelrod, J. (69)
The formation, metabolism, and physiologic effects of melatonin.
Advances in Pharmacology, 6A:141-151, 1968.
- Wurtman, R.J., and Axelrod, J. (535)
Citation Classic. Current Contents, 25:18, 1985.
- Wurtman, R.J., Axelrod, J., and Anton-Tay, F. (83)
Inhibition of the metabolism of H³-melatonin by phenothiazines.
J. Pharmacol. Exp. Ther., 161(2):367-372, 1968.
- Wurtman, R.J., Axelrod, J., and Barchas, J. (19)
Age and enzyme activity in the human pineal. J. Clin. Endocrin. Metab., 24:299-301, 1964.
- Wurtman, R.J., Axelrod, J., and Chu, E.W. (12)
Melatonin, a pineal substance: Effect on the rat ovary. Science,
141(3577):277-278, 1963.
- Wurtman, R.J., Axelrod, J., and Chu, E.W. (18)
The relation between melatonin, a pineal substance, and the effects
of light on the rat gonad. Ann. N.Y. Acad. Sci., 117:228-230, 1964.
- Wurtman, R.J., Axelrod, J., Chu, E.W., and Fischer, J.E. (25)
Mediation of some effects of illumination on the rat estrous cycle
by the sympathetic nervous system. Endocrin., 75(2):266-272, 1964.

- Wurtman, R.J., Axelrod, J., Chu, E.W., Heller, A., and Moore, R.Y. (65)
 Medial forebrain bundle lesions: Blockade of effects of light on rat gonads and pineal. Endocrin., 81(3):509-514, 1967.
- Wurtman, R.J., Axelrod, J., and Fischer, J.E. (22)
 Melatonin synthesis in the pineal gland: Effect of light mediated by the sympathetic nervous system. Science, 143(3612):1328-1330, 1964.
- Wurtman, R.J., Axelrod, J., and Kelly, D.E. (94)
The Pineal, Academic Press, New York, 1968.
- Wurtman, R.J., Axelrod, J., and Kopin, I.J. (14)
 Uterine epinephrine and blood flow in pregnant and postparturient rats. Endocrin., 73:501-503, 1963.
- Wurtman, R.J., Axelrod, J., and Phillips, L.S. (17)
 Melatonin synthesis in the pineal gland: Control by light. Science, 142(3595):1071-1073, 1963.
- Wurtman, R.J., Axelrod, J., and Potter, L.T. (20)
 The uptake of H³-melatonin in endocrine and nervous tissues and the effects of constant light exposure. J. Pharmacol. Exp. Ther., 143(3):314-318, 1964.
- Wurtman, R.J., Axelrod, J., and Potter, L.T. (21)
 The disposition of catecholamines in the rat uterus and the effect of drugs and hormones. J. Pharmacol. Exp. Ther., 144:150-155, 1964.
- Wurtman, R.J., Axelrod, J., and Reis, D.J. (77)
 Metabolic cycles of monoamines and their modification by drugs. In: Cycles Biologiques et Psychiatrie (J. de Ajuriaguerra, ed.) Masson Cie, Paris, 1968.
- Wurtman, R.J., Axelrod, J., Sedvall, G., and Moore, R.Y. (71)
 Photic and neural control of the 24-hour norepinephrine rhythm in the rat pineal gland. J. Pharmacol. Exp. Ther., 157(3):487-492, 1967.
- Wurtman, R.J., Axelrod, J., Snyder, S.H., and Chu, E.W. (39)
 Changes in the enzymatic synthesis of melatonin in the pineal during the estrous cycle. Endocrin., 76(4):798-800, 1965.
- Wurtman, R.J., Axelrod, J., Toch, R. (35)
 Demonstration of hydroxyindole-O-methyl transferase, melatonin, and serotonin in a metastatic parenchymatous pinealoma. Nature, 204(4965):1323-1324, 1964.
- Wurtman, R.J., Axelrod, A., and Tramezzani, J. (68)
 Distribution of the adrenaline-forming enzyme in the adrenal gland of a snake, Xenodon merremii. Nature, 215(5103):879-880, 1967.
- Wurtman, R.J., Axelrod, J., Vesell, E.S., and Ross, G.T. (75)
 Species differences in inducibility of phenylethanolamine-N-methyl transferase. Endocrin., 82(3): 584-590, 1968.

Wurtman, R.J., Baum, M.J., and Potts, J.T., Jr., (eds.) (675)
The Medical and Biological Effects of Light. Ann. N.Y. Acad. Sci.,
Vol. 453, 1985.

Wurtman, R.J., and Bettiker, R.L. (914)
The slowing of treatment discovery, 1965-1995. Nature Med., 1(11):
1122-1125, 1995.

Wurtman, R.J., and Bettiker, R. (924)
Commentary on "The slowing of treatment discovery, 1965-1995,
Nature Med., 1(11):1122-1125, 1995. Letters to the Editor - A
cornucopia of drug discovery? Nature Med., 2(1):5-6, 1996.

Wurtman, R.J., and Bettiker, R.L. (932)
Taking Issue: Training the students who will discover treatments
for psychiatric diseases. Psychiatric Res. Reports, 12(2):6-7, 1996.

Wurtman, R.J., and Blusztajn, J.K. (647)
The "autocannibalism" of choline-containing membrane phospholipids
in the pathogenesis of Alzheimer's Disease. In: Alzheimer's &
Parkinson's Disease: Strategies in Research and Development (A. Fisher,
I. Hanin, and C. Lachman, eds.), New York, Plenum Press, pp.69-73, 1986.

Wurtman, R.J., Blusztajn, J.K., Growdon, J.H., and Ulus, I.H. (767)
Cholinesterase inhibitors increase the brain's need for free choline.
In: Current Research in Alzheimer Therapy: Cholinesterase Inhibitors (E.
Giacobini, and R. Becker, eds.) New York: Taylor & Francis, pp. 95-100, 1988.

Wurtman, R.J., Blusztajn, J.K., Holbrook, P.G., (703)
Lakher, M., Liscovitch, M., Maire, J.-C., Mauron, C., Richardson, U.I.,
and Tacconi, M.
Use of choline in cholinergic neurons to form acetylcholine and
membrane phospholipids: Possible implications for Alzheimer's disease.
In: Advancing Frontiers in Alzheimer's Disease Research (G. Glenner
and R.J. Wurtman, eds.), Univ. Texas Press, pp.1-9, 1987.

Wurtman, R.J., Blusztajn, J.K., and Maire, J.-C. (616)
"Autocannibalism" of choline-containing membrane phospholipids in the
pathogenesis of Alzheimer's disease - a hypothesis. Neurochem. Int.,
7(2):369-372, 1985.

Wurtman, R.J., Blusztajn, J.K., and Maire, J-C. (665)
The "autocannibalism" of choline-containing membrane phospholipids
in the pathogenesis of Alzheimer's disease. In: New Concepts in
Alzheimer's Disease (M. Briley, A. Kato, and M. Weber, eds.)
[Reprinted from Alzheimer's & Parkinson's Disease: Strategies in
Research and Development] (A. Fisher, I. Hanin, C. Lachman, eds.),
Plenum Publishing Company, New York, MacMillan Press Ltd., London,
pp.17-22, 1986.

Wurtman, R.J., Blusztajn, J.K., Nitsch, R., and Growdon, J.H. (835)
Brain phospholipids and their metabolites in Alzheimer's disease:
Possible role of "autocannibalism" and implications for drug
development. In: Cholinergic Basis for Alzheimer's Therapy (R.
Becker, and E. Giacobini, eds.) Cambridge: Birkhauser/Boston,
pp.183-189, 1991.

- Wurtman, R.J., Blusztajn, J.K., Ulus, I.H., Lopez, G.-Coviella, I., Buyukuyosal, R.L., Growdon, J.H., and Slack, B.E. (778)
 Choline metabolism in cholinergic neurons: Implications for the pathogenesis of neurodegenerative diseases. In: Advances in Neurology, Vol. 51: Alzheimer's Disease (R.J. Wurtman, S. Corkin, J.H. Growdon, and E. Ritter-Walker, eds.) New York, Raven, Press, pp.117-125, 1990.
- Wurtman, R.J., Caballero, B., and Salzman, E. (776)
 Facilitation of levodopa-induced dyskinesias by dietary carbohydrates. New Eng. J. Med., 319:1288-1289, 1988.
- Wurtman, R.J., Cansev, M., Sakamoto, T., Ulus, I.H. (1042)
 Nutritional modifiers of aging brain function: increasing the formation of brain synapses by administering uridine and other phosphatide precursors. Nutrition Reviews 68(2):S88-S101, 2010.
- Wurtman, R.J., Cansev, M., Sakamoto, T., Ulus, I.H. (1036)
 Administration of docosahexaenoic acid, uridine and choline increases levels of synaptic membranes and dendritic spines in rodent brain. In: World Review of Nutrition and Dietetics (A.P. Simopoulos, N.G. Bazan, eds.), Karger, Basel, Vol. 99, pp. S153-S168, 2008.
- Wurtman, R., Cansev, M. and Ulus, I. (1020)
 Choline and its products acetylcholine and phosphatidylcholine. In: Neural Lipids, Handbook of Neurochemistry and Molecular Neurobiology, Lajtha A (ed.), Vol: 8, Part: 3, Chapter: 18, pp. 445-501, Springer-Verlag, Berlin Heidelberg.
- Wurtman, R.J., and Cardinalli, D.P. (210)
 The pineal organ. In: Textbook of Endocrinology, Chapter 13. (R.H. Williams, ed.) Fifth Edition. W.B. Saunders Company, Philadelphia, pp. 832-840, 1974.
- Wurtman, R.J., and Cardinalli, D.P. (250)
 The effects of light on man. Direct and indirect effects of light on mammalian tissues. In: Bilirubin Metabolism in the Newborn. Birth Defects: Original Article Series, National Foundation, Vol. XIII, No. 2, pp.100-113, 1976.
- Wurtman, R.J., Casper, A., Pohorecky, L.A., and Bartter, F.C. (98)
 Impaired secretion of epinephrine in response to insulin among hypophysectomized dogs. Proc. Nat. Acad. Sci., 61:522-528, 1968.
- Wurtman, R.J., Chou, C., and Rose, C.M. (80)
 Daily rhythm in tyrosine concentration in human plasma: Persistence on low-protein diets. Science, 158(3801):660-662, 1967.
- Wurtman, R.J., Chou, C., and Rose, C. (147)
 The fate of C^{14} -dihydroxyphenylalanine (C^{14} -Dopa) in the whole mouse. J. Pharm. Exp. Therap., 174(3):351-356, 1970.
- Wurtman, R.J., Chu, E.W., and Axelrod, J. (10)
 Relation between the oestrous cycle and the binding of catecholamines in the rat uterus. Nature, 198(4880):547-548, 1963.

- Wurtman, R.J., Cohen, E.L., and Fernstrom, J.D. (313)
Control of brain neurotransmitter synthesis by precursor availability
and food consumption. In: Neuro-regulators and Psychiatric Disorders
(E. Usdin, D.A. Hamburg, J.D. Barchas, eds.) Oxford University Press,
New York, pp.103-121, 1977.
- Wurtman, R.J., Corkin, S.H., and Growdon, J.H. (eds.) (662)
Alzheimer's disease: Advances in basic research and therapies.
Proceedings of the Third Meeting of the International Study Group
on the Treatment of Memory Disorders Associated with Aging, Zurich,
1984.
- Wurtman, R.J., Corkin, S., Growdon, J.H., and Nitsch, R.M., eds. (929)
The Neurobiology of Alzheimer's Disease. Ann. New York Acad. Sci.,
777, 1996.
- Wurtman, R.J., Deng, M.H., and Ronsheim, P. (558)
The responses of melatonin rhythms to environmental lighting. In:
Pineal Gland and its Endocrine Role (J. Axelrod, F. Fraschini, and
G.P. Velo, eds.) Plenum Publishing Corporation, New York, pp.221-226,
1983.
- Wurtman, R.J., and Fernstrom, J.D. (162)
L-tryptophan, l-tyrosine, and the control of brain monoamine
biosynthesis. In: Perspectives in Neuropharmacology. (S.H. Snyder,
ed.) Oxford University Press, New York, pp. 143-193, 1972.
- Wurtman, R.J., and Fernstrom, J.D. (209)
Nutrition and the brain. In: Neurosciences: Third Study Program.
(F.O. Schmitt & F.G. Worden, eds.) pp. 685-693, 1974.
- Wurtman, R.J., and Fernstrom, J.D. (236)
Control of brain serotonin by the diet. In: Parkinson's Disease -
Proc. of the 2nd Canadian-American Conference (Advances in Neurology)
(F. McDowell and A. Barbeau, eds.) Raven Press, NY, Vol. 5, pp.19-29,
1974.
- Wurtman, R.J., and Fernstrom, J.D. (261)
Effects of the diet of brain neurotransmitters. Nutrition Rev., 32(7):
193-200, 1974.
- Wurtman, R.J., and Fernstrom, M.D. (259)
Control of brain monoamine synthesis by diet and plasma amino acids.
Am. J. Clin. Nutr., 28:638-647, 1975.
- Wurtman, R.J., and Fernstrom, J.D. (291)
Neuroendocrine effects of psychotropic drugs. In: Hormones, Behavior,
and psychopathology. (E.J. Sachar, ed.) Raven Press, New York, pp.145-
151, 1975.
- Wurtman, R.J., and Fernstrom, J.D. (314)
Control of brain neurotransmitter synthesis by precursor availability
and nutritional state. Biochem. Pharmacol., 25:1691-1696, 1976.

- Wurtman, R.J., and Fernstrom, J.D. (316)
 Comparaison des communications nerveuses: neuroendocrines et endocrines.
In: Systeme Nerveux, Activite Sexuelle, et Reproduction. (A. Soluairac, J.P. Gautray, J.P. Rousseau, and J. Cohen, eds.) Masson, Paris, pp.27-40, 1976.
- Wurtman, R.J., and Fernstrom, J.D. (327)
Efectos neuroendocrinicos de las drogas psicotropicas. Tribuna Medica, 34:13-20, 1976.
- Wurtman, R.J., and Fernstrom, J.D. (389)
Normal effects of nutrients on the brain. The Kellogg Nutrition Symposium, pp.11-40, 1978.
- Wurtman, R.J., and Fernstrom, J.D. (434)
Nourishing our neurons. In: Science Year, World Book. Childcraft International, Inc., Chicago, pp.86-97, 1980.
- Wurtman, R.J., Frank, M.M., and Altschule, M.D. (2)
The Oxidative activity of blood serum in schizophrenic and manic-depressive psychoses. A.M.A. Arch. Internal. Med., 102:790-794, 1958.
- Wurtman, R.J., Frank, M.M., Morse, W.H., and Dews, P.B. (4)
Studies on behavior. V. Actions of l-epinephrine and related compounds. Pharmacol. Exp. Ther., 127(4):281-287, 1959.
- Wurtman, R.J., and Growdon, J.H. (388)
Dietary enhancement of CNS neurotransmitters. Hospital Practice, 13: 71-77, 1978.
- Wurtman, R.J., and Growdon, J.H. (385)
Dietary control of central cholinergic activity. In: Brain Acetylcholine and Psychiatric Disease. (K.L. Davis and P.S. Berger, eds.) Plenum Press, pp.461-481, 1979.
- Wurtman, R.J., and Growdon, J.H. (492)
Dietary enhancement of CNS neurotransmitters. In: Neuroendocrinology. (D.T. Krieger and J.C. Hughes, eds.) Sinauer Associates, Inc., pp.59-65, 1980.
- Wurtman, R.J., Growdon, J.H., Corkin, S., Reinstein, D., and Zeisel, S. (531)
Meeting report. Neurobiology of Aging, 2:149-151, 1981.
- Wurtman, R.J., Growdon, J., and Wurtman, J.J. (832)
Nutritional needs of Parkinson's patients. APDA Educational Supplement 1, 1992.
- Wurtman, R.J., Hefti, F., and Melamed, E. (466)
Precursor control of neurotransmitter synthesis. Pharmacological Reviews, 32(4):315-335, 1980.
- Wurtman, R.J., and Hirsch, M.J. (358)
Lecithin consumption raises serum-free-choline levels. Lancet, II: 68-69, 1977.

- Wurtman, R.J., and Kammer, H. (52)
Melatonin synthesis by an ectopic pinealoma. New Eng. J. Med., 274:
1233-1237, 1966.
- Wurtman, R.J., Kopin, I.J., Axelrod, J. q (11)
Thyroid function and the cardiac disposition of catecholamines.
Endocrin., 73:63-74, 1963.
- Wurtman, R.J., Kopin, I.J., Horst, D., and Fischer, J.E. (30)
Epinephrine and organ blood flow: Effects of hyperthyroidism, cocaine,
and denervation. Amer. J. Physiol., 207(6):1247-1250, 1964.
- Wurtman, R.J., and Larin, R. (86)
A sensitive and specific isotopic assay for the estimation of tyrosine
transaminase. Biochem. Pharm., 17:817-818, 1968.
- Wurtman, R.J., Larin, F., Axelrod, J., Shein, H.M., and Rosasco, K. (81)
Formation of melatonin and 5-hydroxyindole acetic acid from ¹⁴C-tryptophan by rat pineal glands in organ culture. Nature, 217(5132):953-954, 1968.
- Wurtman, R.J., Larin, F., Mostafapour, S., and Fernstrom, J.D. (254)
Brain catechol synthesis: Control by brain tyrosine concentration.
Science, 185:183-184, 1974.
- Wurtman, R.J., Lavyne, M., Moskowitz, M.A., and Zervas, N. (365)
Brain monoamine neurotransmitters and the pathophysiology of stroke.
In: Wenner-Gren Center International Symposium Series. (C. Owman and L. Edvinsson, eds.) Pergamon Press, New York, Vol. 30:483-495, 1977.
- Wurtman, R.J., Lavyne, M.H., and Zervas, N.T. (255)
Brain catecholamines in relation to cerebral blood vessels. In:
Cerebral Vascular Diseases, 9th Conference, (J.P. Whisnant and B.A. Sandok, eds.) Grune & Stratton, NY, pp. 13-26, 1975.
- Wurtman, R.J., and Lewis, M.C. (812)
Diet, exercise, plasma nutrient levels, and neurotransmission. In:
Muscle Fatigue Masson (G. Atlan, L. Beliveau, and P. Bouissou, eds.) Paris, Milan, Barcelona, Bonn, pp.222-233, 1991.
- Wurtman, R.J., and Lewis, M.C. (819)
Exercise, plasma composition and neurotransmission. In: Advances in Nutrition and top Sport (F. Brouns, ed.) Basel, Karger, Vol. 32, pp. 94-109, 1991.
- Wurtman, R.J., and Lieberman, H.R. (619)
Melatonin secretion as a mediator of circadian variations in sleep and sleepiness. J. Pineal Res., 2:301-303, 1985.
- Wurtman, R.J., and Lieberman, H.R. (eds.) (636)
Surgeon General's Report on Nutrition and Health: Behavioral Disorders.
National Institute of Mental Health, Bethesda, MD, 1987.
- Wurtman, R.J., and Lieberman, H. (712)
Melatonin secretion as a mediator of circadian variations in sleep and sleepiness. Integr. Psychiat., 5:13-14, 1987.

- Wurtman, R.J., and Lieberman, H.R. (725)
Use of tyrosine and other nutrients to protect against stress and to enhance and sustain performance. In: Stress: Neurochemical and Humoral Mechanisms (G.R. Van Loon, R. Kvetnansky, R.M. McCarthy, and J. Axelrod, eds.) New York, Gordon & Breach, pp.67-77, 1989.
- Wurtman, R.J., Lieberman, H.R., Growdon, J.H., and Duguid, J. (eds.) (637)
Surgeon General's Report on Nutrition and the Nervous System: Current Therapies and Future Directions. NINCDs, Bethesda, MD, 1987.
- Wurtman, R.J., and Lopez G.-Coviella, I. (688)
CDP-colina, neurotransmisores y metabolismo de fosfolipidos. Medicina Clinica, 87:3-4, (Suppl. 1), 1986.
- Wurtman, R.J., Lynch, H.J., Sturner, W.Q. (815)
Melatonin in humans: Possible involvement in SIDS, and use in contraceptives. In: Advances in Pineal Research (J. Arendt and P. Pevet, eds.) John Libbey & Co. Ltd., pp.319-327, 1991.
- Wurtman, R.J., Magil, S.G., and Reinstein, D.K. (503)
Piracetam diminishes hippocampal acetylcholine levels in rats. Life Sci., 28:1091-1093, 1981.
- Wurtman, R.J., and Maher, T.J. (599)
Strategies for assessing the effects of food additives on the brain and behavior. Fundamental and Applied Toxicology, 4:S318-S322, 1984.
- Wurtman, R.J., and Maher, T.J. (730)
Effects of oral aspartame on plasma phenylalanine in humans and experimental rodents. J. Neural Trans., 70:169-173, 1987.
- Wurtman, R.J., and Maher, T.J. (726)
Effects of aspartame on the brain. In: Sweeteners: Health Effects (G.M. Williams, ed.) Princeton, Princeton Scientific Publishing Co., Inc., pp.149-158, 1988.
- Wurtman, R.J., and Maher, T.J. (738)
General discussion: Calculations of the aspartame dose for rodents that produces neurochemical effects comparable to those occurring in people. In: Dietary Phenylalanine and Brain Function (R.J. Wurtman, ed.) Boston/Basel: Birkhauser, pp.144-148, 1988.
- Wurtman, R.J., Maher, T.J., and Ulus, I.H. (969)
Valvulopathy or primary pulmonary hypertension as possible consequences of administering a serotonin uptake blocker with a monoamine oxidase inhibitor ("phen-fen"). Cardiovascular Reviews and Reports, 20(6):312-314, 1999.
- Wurtman, R.J., and Milner, J.D. (615)
Dietary amino acids, the central nervous system, and hypertension. NIH Workshop on Nutrition & Hypertension: Proceedings from a Symposium (M.J. Horan, M. Blaustein, J.B. Dunbar, W. Khachadorian, M.M. Kaplan and A.P. Simopoulos, eds.) University Park Press, Baltimore, MD, pp. 231-240, 1985.

- Wurtman, R.J., and Moskowitz, M.A. (274)
The Fifth Annual Foster Elting Bennett Memorial Lecture: Brain catecholamines and neurological disease. Trans. Am. Neurol. Assn., 99:49-60, 1974.
- Wurtman, R.J., and Moskowitz, M.A. (344)
The pineal organ. New Eng. J. Med., 296:1329-1333 & 1383-1386, 1977.
- Wurtman, R.J., Moskowitz, M.A., and Munro, H.N. (370)
Transsynaptic control of neuronal protein synthesis. In: The Neurosciences: Fourth Study Program. (F.O. Schmitt and F.G. Worden, eds.) M.I.T. Press, Cambridge, MA, pp.879-909, 1979.
- Wurtman, R.J., and Neer, R.M. (145)
Editorial: Good light and bad. New Eng. J. Med., 282:394-395, 1970.
- Wurtman, R.J., Noble, E.P., and Axelrod, R.J. (63)
Inhibition of enzymatic synthesis of epinephrine by low doses of glucocorticoids. Endocrin., 80:825-828, 1967.
- Wurtman, R.J., and Ordonez, L.A. (267)
Effects of exogenous L-dopa on the metabolism of methionine and S-adenosylmethionine in the brain. In: Transmetilazioni E Sistema Nervoso Centrale. (V.M. Andreoli, A. Agnoli, A., and C. Fazio, eds.), Torino, Italy, pp.157-171, 1976.
- Wurtman, R.J., and Ordonez, L.A. (409)
Effects of exogenous L-dopa on the metabolism of methionine and S-adenosylmethionine in the brain. In: Transmethylations and the Central Nervous System. (V.M. Andreoli, A. Agnoli, and C. Fazio, eds.) Springer-Verlag, New York, 1978.
- Wurtman, R.J., O'Rourke, D., and Wurtman, J.J. (728)
Nutrient imbalances in depressive disorders: Possible brain mechanisms. Reprinted from The Psychobiology of Human Eating Disorders: Preclinical and Clinical Perspectives, Ann. NY Acad. Sci., Vol. 575, pp.75-85, 1989.
- Wurtman, R.J., O'Rourke, D., and Wurtman, J.J. (770)
Nutrient imbalances in depressive disorders: Possible brain mechanisms. Ann. N.Y. Acad. Sci., 575:75-85, 1989.
- Wurtman, R.J., and Ozaki, Y. (375)
Physiological control of melatonin synthesis and secretion: Mechanisms generating rhythms in melatonin, methoxytryptophol, and arginine vasotocin levels and effects on the pineal of endogenous catecholamines, the estrous cycle, and environmental lighting. J. Neural Trans., 13: 59-70, 1978.
- Wurtman, R.J., and Pardridge, W.M. (405)
Summary: Circulating tryptophan, brain tryptophan, and psychiatric disease. J. Neural Trans., Suppl. 15:227-236, 1979.
- Wurtman, R.J., and Pohorecky, L.A. (144)
Adrenocortical control of epinephrine synthesis in health and diseases. In: Advances in Metabolic Disorders (R. Levine and R. Luft, eds.) Academic Press, New York, Vol. 5, pp. 53-76, 1971.

- Wurtman, R.J., Pohorecky, L.A., and Baliga, B.S. (187)
Adrenocortical control of the biosynthesis of epinephrine and proteins
in the adrenal medulla. Pharmacol. Rev., 24(2):411-426, 1972.
- Wurtman, R.J., Regan, M., Ulus, I., and Yu, L. (972)
Effect of oral CDP-choline on plasma choline and uridine levels in
humans. Biochem. Pharm., 60:989-992, 2000.
- Wurtman, R.J., and Romero, J.A. (173)
Effects of levodopa on nondopaminergic brain neurons. Neurology,
22(5)/2:72-81, 1972.
- Wurtman, R.J., Rose, C.M., Chou, C., and Larin, F.F. (100)
Daily rhythms in the concentrations of various amino acids in human
plasma. New Eng. J. Med., 279(4):171-175, 1968.
- Wurtman, R.J., Rose, C.M., Matthysse, S., Stephenson, J., and Baldessarini, R. (149)
L-Dihydroxyphenylalanine: Effect on S-adenosylmethionine in brain.
Science, 169:395-397, 1970.
- Wurtman, R.J., Roth, W., Altschule, M.D., and Wurtman, J.J. (7)
Interactions of the pineal and exposure to continuous light on organ
weights of female rats. Acta Endocrinologica, 36:617-624, 1961.
- Wurtman, R.J., Sandage, B.W., and Warach, S. (933)
Advances in understanding cholinergic brain neurons: Implications in
the use of citicoline (CDP-choline) to treat stroke. In: Alzheimer
Disease: From Molecular Biology to Therapy (R. Becker and E. Giacobini,
eds.) Proceedings of the Fourth International Nice/Springfield Alzheimer
Symposium. Birkhauser, Boston, pp.179-185, 1996.
- Wurtman, R.J., and Scally, M.C. (351)
Precursor control of neurotransmitter synthesis. In: Biochemistry
and Function of Monoamine Enzymes. (E. Usdin, ed.) Marcel Dekker,
Inc., New York, pp.231-261, 1977.
- Wurtman, R.J., Scally, M.C., Gibson, C.J., and Hefti, F. (438)
Relation between brain tyrosine and catecholamine synthesis. In:
Catecholamines: Basic and Clinical Frontiers. (E. Usdin, I.J. Dopin,
and J.D. Barchas, eds.) Pergamon, New York, pp.64-66, 1979.
- Wurtman, R.J., and Shein, H.M. (297)
Lack of effect of increased pineal serotonin content on H^3 -tryptophan
uptake. J. Neur. Trans., 36:177-181, 1975.
- Wurtman, R.J., Shein, H.M., Axelrod, J., and Larin, F. (119)
Incorporation of ^{14}C -tryptophan into ^{14}C -protein by cultured rat
pineals: Stimulation by ι -norepinephrine. Proc. Nat. Acad. Sci.,
62(3):749-755, 1969.
- Wurtman, R.J., Shein, H.M., and Larin, F. (154)
Mediation by β -adrenergic receptors of effect of norepinephrine on
pineal synthesis of $[^{14}C]$ serotonin and $[^{14}C]$ melatonin. J. Neurochem.,
18:1683-1687, 1971.

Wurtman, R.J., Shein, H.M., Larin, F., and Wilson, S. (177)

Lack of effect of increased pineal serotonin content on H₃-tryptophan uptake. Presented at Symposium on the Pineal, Bethesda, MD, August, 1971.

Wurtman, R.J., Shoemaker, W.J., and Larin, F. (92)

Mechanism of the daily rhythm in hepatic tyrosine transaminase activity: Role of dietary tryptophan. Proc. Nat. Acad. Sci., 59(3): 800-807, 1968.

Wurtman, R.J., Shoemaker, W.J., Larin, F., and Zigmond, M. (101)

Failure of brain norepinephrine depletion to extinguish the daily rhythm in hepatic tyrosine transaminase activity. Nature, 219(5158):1049-1050, 1968.

Wurtman, R.J., Ulus, I.H., Blusztajn, J.K., Logue, M., and Growdon, J.H. (804)

Development of cholinergic agents for dementia: Relevance of their effects on acetylcholine and phosphatidylcholine synthesis. In: Mental Decline of Elderly People (A. Agnoli and G. Bruno, eds.), Rome, Italy, pp.1-12, 1990.

Wurtman, R.J., Ulus, I.H., Blusztajn, J.K., Lopez, G.-Coviella, I., Logue, M., Mauron, C., and Growdon, J.H. (788)

Choline levels, the regulation of acetylcholine and phosphatidylcholine synthesis, and Alzheimer's disease. In: Alzheimer's Disease: Epidemiology, Neuropathology, Neurochemistry and Clinics (K. Maurer, P. Riederer and H. Beckmann, eds.) Springer: Vienna, pp. 211-224, 1990.

Wurtman, R.J., Ulus, I.H., Mauron, C., and Blusztajn, J.K. (756)

Use of choline in cholinergic neurons to form acetylcholine or phosphatidylcholine: Implications for the pathogenesis of age-related memory disorders. In: Aging Brain and Dementia: New Trends in Diagnosis and Therapy. Alan R. Liss, Inc., pp.215-238, 1990.

Wurtman, R.J., and Urbach, F. (479)

Letter to the Editor. New Eng. J. Med., 302(26):1483, 1980.

Wurtman, R.J., Waldhauser, F., and Lieberman, H.R. (559)

The secretion and effects of melatonin in humans. In: The Pineal Gland and its Endocrine (J. Axelrod, F. Fraschini, G.P. Velo, eds.) Plenum Publishing Corporation, NY, pp.551-573, 1983.

Wurtman, R.J., and Watkins, C.J. (322)

Suppression of noradrenaline synthesis in sympathetic nerves by carbidopa, an inhibitor of peripheral dopa decarboxylase. Nature, 265(5589):79-80, 1977.

Wurtman, R.J., and Weisel, J. (122)

Environmental lighting and neuroendocrine function: Relationship between spectrum of light source and gonadal growth. Endocrinology, 85(6):1218-1221, 1969.

Wurtman, R.J., and Wurtman, J.J. (eds.) (347)

Nutrition and the Brain, Raven Press, New York, Volume II, 1977.

- Wurtman, R.J., and Wurtman, J.J. (eds.) (346)
Nutrition and the Brain, Raven Press, New York, Volume I, 1977.
- Wurtman, R.J., and Wurtman, J.J. (570)
Nutrients, neurotransmitter synthesis, and the control of food intake.
Psychiatric Annals, 13:854-857, 1983.
- Wurtman, R.J., and Wurtman, J.J. (534)
Nutrients, neurotransmitter synthesis, and the control of food intake.
In: Eating and Its Disorders (A.J. Stunkard and E. Stellar, eds.)
Vol. 64, Raven Press, New York, pp.77-86, 1984.
- Wurtman, R.J., and Wurtman, J.J. (587)
Nutritional control of central neurotransmitters. In:
The Psychobiology of Anorexia Nervosa (K.M. Pirke and D. Ploog, eds.)
Springer-Verlag, Berlin, pp.4-11, 1984.
- Wurtman, R.J., and Wurtman, J.J. (666)
Preface. In: Nutrition and the Brain. Raven Press, New York, vol. 7,
pp. v-vii, 1986.
- Wurtman, R.J., and Wurtman, J.J. (676)
Carbohydrate craving, obesity and brain serotonin. Appetite, 7
(Supplement):99-103, 1986.
- Wurtman, R.J., and Wurtman, J.J. (700)
Introduction. In: Human Obesity (R.J. Wurtman and J.J. Wurtman, eds.)
Ann. N.Y. Acad. Sci., 499:1-3, 1987.
- Wurtman, R.J., and Wurtman, J.J. (749)
Do carbohydrates affect food intake via neurotransmitter activity?
Appetite 11(Suppl.):42-47, 1988.
- Wurtman, R.J., and Wurtman, J.J. (649)
Carbohydrates and depression. Sci. Am., 260(1):68-75, 1989.
- Wurtman, R.J., and Wurtman, J.J. (783)
Nutrition and the Brain, Vol. 8:203, 1990.
- Wurtman, R.J., and Wurtman, J.J. (825)
The use of carbohydrate-rich snacks to modify mood state: A factor
in the production of obesity. In: The Biology of Feast and Famine:
Relevance to Eating Disorders (G.H. Anderson and S.H. Kennedy, eds.)
Bristol-Myers Squibb/Mead Johnson Nutrition Symposia Series, 10:
151-156, 1992.
- Wurtman, R.J., and Wurtman, J.J. (822)
Carbohydrates and depression: Serotonin and seasonal affective
disorder. In: Neurotransmitter Revolution Serotonin, Social Behavior,
and the Law (R.D. Masters, and M.T. McGuire, eds.) Southern Illinois
University Press, Carbondale (adaptation of Sci. Am. article #649 to
book chapter), pp.96-109, 1994.
- Wurtman, R.J., and Wurtman, J.J. (876)
Brain serotonin, carbohydrate-craving, obesity and depression.
Obesity Res., Vol. 3(Suppl.):477S-492S, 1995.

- Wurtman, R.J., and Wurtman, J.J. (915)
Brain serotonin, carbohydrate-craving, obesity and depression. In: Recent Advances in Tryptophan Research (G.A. Filippini, C.V.L. Costa, and A. Bertazzo, eds.), Plenum Press, NY, Chapter 4, pp.35-41, 1996.
- Wurtman, R.J., and Wurtman, J.J. (931)
Serotonergic mechanisms and obesity. J. Nutr. Biochem., 9: 511-515, 1998.
- Wurtman, R.J., Wurtman, J.J., Regan, M.M., McDermott, J.M., Tsay, R.H., and Breu, J.J. (993)
Effects of normal meals rich in carbohydrates or proteins on the plasma tryptophan ratio. Am. J. Clin. Nutrition, 77:128-132, 2003.
- Wurtman, R.J., and Zeisel, S.H. (519)
Brain choline: Its sources and effects on the synthesis and release of acetylcholine. In: Alzheimer's Disease: A Report on Progress in Research. (S. Corkin, K.L. Davis, J.H. Growdon, E. Usdin and R.J. Wurtman, eds.), Raven Press, New York, pp.303-313, 1982.
- Wurtman, R.J., and Zeisel, S.H. (704)
Dietary phospholipids in chronic diseases and health. In: Fats and Lipids (Report of the Committee on Diet and Health), Washington: National Research Council, 1988.
- Wurtman, R.J., and Zervas, N.T. (243)
Monoamine neurotransmitters and the pathophysiology of stroke and central nervous system trauma. J. Neurosurgery, 40(1):34-36, 1974.
- Wurtman, R.J., and Zhdanova, I. (919)
Improvement of sleep quality by melatonin. The Lancet, 346(8988): 1491, 1995.
- Wurtman, R.J., and Zhdanova, I. (964)
Letter to the Editor: Oral melatonin in neurologically disabled children. The Lancet, 351(9120):1963-1964, 1998.
- Wurtman, R.J., and Zigmond, M.J. (88)
Pharmacologic tools in autonomic nervous system research. Anesthesiology, 29:714-723, 1968.
- Yehuda, S., and Wurtman, R.J. (201)
The effects of d-amphetamine and related drugs on colonic temperatures of rats kept at various ambient temperatures. Life Sci., 11(I):851-859, 1972.
- Yehuda, S., and Wurtman, R.J. (208)
Release of brain dopamine as the probable mechanism for the hypothermic effect of D-amphetamine. Nature, 240(5382):477-478, 1972.
- Yehuda, S., and Wurtman, R.J. (203)
Hypothermic effects of d-amphetamine at low ambient temperatures: Possible mediation by dopaminergic brain neurons. In: Pharmacology of Thermoregulation (E. Schonbaum & P. Lomax, eds.), S. Krager, Basel, pp. 500-501, 1973.

- Yehuda, S., and Wurtman, R.J. (234)
Effects of d-amphetamine on body temperature and on behavioral thermoregulation in rats. In: Frontiers in Catecholamines Research (E. Usdin, ed.) Pergamon Press, NY, pp.943, 1973.
- Yehuda, S., and Wurtman, R.J. (240)
Paradoxical thermoregulatory behavior in rats induced by (+)-amphetamine: Blockade by α -adrenoceptor or dopamine receptor blocking agents. J. Pharm. Pharmac., 26:210-212, 1974.
- Yehuda, S., and Wurtman, R.J. (241)
Paradoxical effects of d-amphetamine on behavioral thermoregulation: possible mediation by brain dopamine. J. Pharmacol. Exp. Ther., 190(1): 118-122, 1974.
- Yehuda, S., and Wurtman, R.J. (252)
Dopaminergic neurons in the nigro-striatal and mesolimbic pathways: Mediation of specific effects of d-amphetamine. Endocrin., 97(5): 154-158, 1975.
- Yokogoshi, H., Roberts, C.H., Caballero, B., and Wurtman, R.J. (600)
Effects of aspartame and glucose administration on brain and plasma levels of large neutral amino acids and brain 5-hydroxyindoles. Am. J. Clin. Nutr., 40:1-7, 1984.
- Yokogoshi, H., Theall, C.L., and Wurtman, R.J. (643)
Selection of dietary protein and carbohydrate by rats: Changes with maturation. Physiol. & Behavior, 36:979-982, 1986.
- Yokogoshi, H., and Wurtman, R.J. (641)
Acute effects of oral or parenteral aspartame on catecholamine metabolism in various regions of rat brain. J. Nutr., 116:356-364, 1986.
- Yokogoshi, H., and Wurtman, R.J. (670)
Meal composition and plasma amino acid ratios: Effect of various proteins or carbohydrates, and of various protein concentrations. Metabolism, 35(9):837-842, 1986.
- Young, M.J., Lee, R.K.K., Jhaveri, S., and Wurtman, R.J. (939)
Intracellular and cell-surface distribution of amyloid precursor protein in cortical astrocytes. Brain Res. Bull., 50(1):27-32, 1999.
- Zacharias, L., Rand, W.M., and Wurtman, R.J. (303)
A prospective study of sexual development and growth in American girls: The statistics of menarche. Obstet. & Gyn. Survey, 31(4): 325-337, 1976.
- Zacharias, L., and Wurtman, R.J. (27)
Blindness: Its relation to age of menarche. Science, 144(3622): 1154-1155, 1964.
- Zacharias, L., and Wurtman, R.J. (97)
Age at menarche: Genetic and environmental influences. New Eng. J. Med., 280:868-875, 1969.

- Zacharias, L., and Wurtman, R.J. (114)
Blindness and menarche. Obstet. Gynecol., 33(5):603-608, 1969.
- Zacharias, L., Wurtman, R.J., and Schatzoff, M. (123)
Sexual maturation in contemporary American girls. Amer. J. Obstet. Gynecol., 108(5:833-846, 1970.
- Zavisca, F.G., Breau, A.P., and Wurtman, R.J. (428)
Mechanism of action of methyldopa in the rat. Circ. Res., 45(5): 684-690, 1979.
- Zavisca, F.G., and Wurtman, R.J. (355)
Effects of neutral amino acids on the antihypertensive action of methyldopa in spontaneously hypertensive rats. J. Pharm Pharmacol., 30:60-62, 1978.
- Zeisel, S.H., Blusztajn, J.K., and Wurtman, R.J. (421)
Brain lecithin biosynthesis: Evidence that bovine brain can make choline molecules. In: Nutrition and the Brain. (A. Barbeau, J.H. Growdon, and R.J. Wurtman, eds.) Raven Press, New York, Vol. 5, pp.47-56, 1979.
- Zeisel, S.H., Epstein, M.F., and Wurtman, R.J. (448)
Elevated choline concentration in neonatal plasma. Life Sci., 26: 1827-1831, 1980.
- Zeisel, S.H., Gelenberg, A.J., Growdon, J.H., and Wurtman, R.J. (427)
Use of choline and lecithin in the treatment of tardive dyskinesia. In: Long-Term Effects of Neuroleptics (Adv. Biochem. Psychopharmacol.). (F. Cattabeni, et al., eds.) Raven Press, New York, Vol. 24, pp. 463-470, 1980.
- Zeisel, S.H., Growdon, J.H., Wurtman, R.J., Magil, S.G., and Logue, M. (455)
Normal plasma choline responses to ingested lecithin. Neurology, 30(11):1226-1229, 1980.
- Zeisel, S.H., Mauron, C., Watkins, C.J., and Wurtman, R.J. (505)
Developmental changes in brain indoles, serum tryptophan and other serum neutral amino acids in the rat. Dev. Brain Res., 1:551-564, 1981.
- Zeisel, S., Reinstein, D., Corkin, S., Growdon, J., and Wurtman, R.J. (536)
Cholinergic neurones and memory. Nature, 293:187-188, 1982.
- Zeisel, S.H., Reinstein, D.K., Wurtman, R.J., Corkin, S., and Growdon, J.H. (540)
Memory disorders associated with aging. TINS, 24:VIII-IX, 1981.
- Zeisel, S.H., Stanbury, J.B., Wurtman, R.J., Brigida, M., and Fierro-Benitez, R. (537)
Choline content of mothers' milk in Ecuador and Boston. New Eng. J. Med., 306(3):175-176, 1982.

- Zeisel, S.H., Story, D.L., Wurtman, R.J., and Brunengraber, H. (465)
 Uptake of free choline by isolated perfused rat liver. Proc. Natl. Acad. Sci., 77(8):4417-4419, 1980.
- Zeisel, S.H., and Wurtman, R.J. (411)
 Dietary intake of methionine: Influence of brain sadenosylmethionine. In: Transmethylation. (E. Usdin, R. Borchardt, and C. Creveling, eds.) Elsevier/North Holland, New York, pp.59-68, 1979.
- Zeisel, S.H., and Wurtman, R.J. (517)
 Developmental changes in rat blood choline concentration. Biochem. J., 198:565-570, 1981.
- Zervas, N.T., Hori, H., Nagoro, M., and Wurtman, R.J. (321)
 Neurogenic regulation of cerebral blood flow following ischemia. Stroke, 7(2):113-118, 1976.
- Zervas, N.T., Hori, H., Negora, M., Wurtman, R.J., Larin, F., and Lavyne, M.H. (244)
 Reduction in brain dopamine following experimental cerebral ischemia. Nature, 247(5439):283-284, 1974.
- Zhdanova, I.V., Cantor, M.L., Leclair, O.U., Kartashov, A.I., and Wurtman, R.J. (960)
 Behavioral effects of melatonin treatment in non-human primates. Sleep Research Online 1(3):114-118, 1998.
- Zhdanova, I.V., Lynch, H.J., and Wurtman, R.J. (946)
 Melatonin: A sleep-promoting hormone. Sleep, 20(10):899-907, 1997.
- Zhdanova, I., and Wurtman, R.J. (922)
 How does melatonin affect sleep? Harvard Med. Ltr., 12(6):8, 1996.
- Zhdanova, I.V., and Wurtman, R.J. (950)
 Efficacy of melatonin as a sleep-promoting agent. J. Biol. Rhythms, 12(6):644-650, 1997.
- Zhdanova, I.V., and Wurtman, R.J. (892)
 The pineal hormone - melatonin. In: Endocrinology: Basic and Clinical Principles (P.M. Conn and S. Melmed, eds.) Humana Press, Inc. Totowa, NJ, pp. 279-290, 1997.
- Zhdanova, I.V., Wurtman, R.J. (987)
 The pineal hormone - melatonin. In: Endocrinology: Basic and Clinical Principles (P.M. Conn and S. Melmed, eds.) Humana Press, Inc. Totowa, NJ (In Press), 2005.
- Zhdanova, I., Wurtman, R.J., Balcio glu, A., Kartashov, A.I., and Lynch, H.J. (954)
 Edogenous melatonin levels and the fate of exogenous melatonin: Age effects. J. Gerontology, 53A(4):B293-B298, 1998.
- Zhdanova, I.V., Wurtman, R.J., Lynch, H.J., Ives, J.R., Dollins, A.B., Morabito, C., Matheson, J.K., and Schomer, D.L. (891)
 Sleep-inducing effects of low doses of melatonin ingested in the evening. Clin. Pharm. Therap., 57(5):552-558, 1995.

- Zhdanova, I.V., Wurtman, R.J., Morabito, C., Piotrovska, V.R., and Lynch, H.J. (906)
Effects of low oral doses of melatonin, given 2-4 hours before habitual bedtime, on sleep in normal young humans. Sleep, 19(5): 423-431, 1996.
- Zhdanova, I.V., Wurtman, R.J., Regan, M.M., Taylor, J.A., Shi, J.P., and LeClair, O.U. (975)
Melatonin treatment for age-related insomnia. J. Clin. Endocrin. Metab., 86(10):4727-4730, 2001.
- Zhdanova, I.V., Wurtman, R.J., and Wagstaff, J. (940)
Effects of a low dose of melatonin on sleep in children with Angelman syndrome. J. Ped. Endocrin. Metab., 12:57-67, 1999.
- Zigmond, M.J., Chalmers, J.P., Simpson, J.R., and Wurtman, R.J. (164)
Effect of lateral hypothalamic lesions of uptake of norepinephrine by brain homogenates. J. Pharm. Exp. Ther., 179(1):20-28, 1971.
- Zigmond, M.J., Holmquest, D.L., and Wurtman, R.J. (139)
Telemetric methods in pharmacology: Telemetric measurement of effects of light and drugs on diurnal body temperature rhythms. Proc. Fourth Int. Cong. Pharm., 5:279-287, 1970.
- Zigmond, M.J., Shoemaker, W.J., Larin, F., and Wurtman, R.J. (106)
Hepatic tyrosine transaminase rhythm: Interaction of environmental lighting, food consumption and dietary protein content. J. Nutrition, 98(1):71-75, 1969.
- Zigmond, M.J., Shoemaker, W.J., and Wurtman, R.J. (117)
Biological effects of environmental lighting. Institute of Environmental Sciences 15th Annual Technical Meeting and Equipment Exposition, Anaheim, California, April 10-23, 1969.
- Zigmond, M.J., and Wurtman, R.J. (124)
Daily rhythm in the accumulation of brain catecholamines synthesized from circulating H³-tyrosine. J. Pharm. Exp. Ther., 172:416-422, 1970.
- Zschaech, L.L., and Wurtman, R.J. (199)
Brain ³H-catechol synthesis and the vaginal estrous cycle. Neuroendocrine, 11:144-149, 1973.